

1035/2825
FIGURE 915B

ACAAAGTGAAAACAGATGAAGTGGTAACACTAACACCACGCATTGGGCCAAAAGTATCTTTAAGTCCAGGGCCTG
AACAAAAATATGAAACAGAAGGTAGTAGTACAACAGGATTTACATCATCTTTGAGTCCTTTTAGTACCCACATTA
CCCAGCTTATGGGAAGAAACCACTACTGAGAAAACATCCCTAGAGGATATTGATTTAGGCTCAGGATTATTTGAAA
AGCCCCAAGCCACAGAATCATAGAATTTTCAACAATCAAAGTCACAGTTCCAAGTGATATTACCACTGCCTTCA
GTTTCAGTAGACAGACTTCACACAACCTTCAGCATTCAAGCCATCTTCCGCGATCACTAAGAAACCACCTCTCATCG
ACAGGGAACCTGGTGAAGAAACAACCAGTGACATGGTAATCATTGGAGAATCAACATCTCATGTTTCTCCCACTA
CCCTTGAAGATATTGTAGCCAAGGAAACAGAAACCGATATTGATAGAGAGTATTTACGACTTCAAGTCCTCCTG
CTACACAGCCAACAAGACCACCCACTGTGGAAGACAAAGAGGCCTTTGGACCTCAGGCGCTTTCTACGCCACAGC
CCCCAGCAAGCACAAAATTTACCCCTGACATTAATGTTTATATTATTGAGGTCAGAGAAAATAAGACAGGTCGAA
TGAGTGATTTGAGTGTAATTGGCTCATCCAATAGATTGAGAATCTAAAGAAGATGAACCTTGTAGTGAAAGAACAG
ATCCAGTGCAATGATCTAATGGCTGAAATTTTACCTGAATTCCTGACATAATTGAAATAGACCTATACCACAGTG
AAGAAAATGAAGAAGAAGAAGAGTGTGCAAATGCTACTGATGTGACAACCACCCCATCTGTGCAGTACATAA
ATGGGAAGCATCTCGTTACCACTGTGCCCAAGGACCCAGAAGCTGCAGAAGCTAGGCGTGGCCAGTTTGAAAGTG
TTGCACCTTCTCAGAATTTCTCGGACAGCTCTGAAAGTGATACTCATCCATTTGTAATAGCCAAAACGGAATTTGT
CTACTGCTGTGCAACCTAATGAATCTACAGAAACAACCTGAGTCTCTTGAAGTTACATGGAAGCCTGAGACTTACC
CTGAAACATCAGAACATTTTTCAGGTGGTGAGCCTGATGTTTTCCCCACAGTCCCATTCATGAGGAATTTGAAA
GTGGAACAGCCAAAAAAGGGGCAGAATCAGTCACAGAGAGAGATACTGAAGTTGGTCATCAGGCACATGAACATA
CTGAACCTGTATCTCTGTTTCTGAAGAGTCTTCAGGAGAGATTGCCATTGACCAAGAATCTCAGAAAATAGCCT
TTGCAAGGGCTACAGAAGTAACATTTGGTGAAGAGGTAGAAAAAAGTACTTCTGTACATACTCCCACTATAG
TTCCAAGTTCTGCATCAGCATATGTTTCAGAGGAAGAAGCAGTTACCCTAATAGGAAATCCTTGGCCAGATGACC
TGTTGTCTACCAAAGAAAGCTGGGTAGAAGCAACTCCTAGACAAGTTGTAGAGCTCTCAGGGAGTTCTTCGATTC
CAATTACAGAAGGCTCTGGAGAAGCAGAAGAAGATGAAGATACAATGTTTACCATGGTAAGTATTTATCACAGA
GAAATACTACTGATACACTCATTACTTTAGACACTAGCAGGATAATCACAGAAAGCTTTTTTGAAGTTCTCTGCAA
CCACCATTTATCCAGTTTCTGAACAACCTTCTGCAAAAAGTGGTGCCTACCAAGTTTGTAAAGTGAAACAGACACTT
CTGAGTGGATTTCCAGTACCCTGTTGAGGAAAAAGAAAAGGAAGGAGGAGGGAAGTACAGGTACGGCTTCTA
CATTTGAGGTATATTCTACACAGAGATCGGATCAATTAATTTTACCCTTTGAATTAGAAAGTCCAAATGTAG
CTACATCTAGTGATTACAGGTACCAGGAAAAGTTTTATGTCTTGACAACACCAACACAGTCTGAAAAGGGAAAATGA
CAGATTCTACTCTGTCTTTACAGAAACAAATACATTAGAAAATTTGGGGGCACAGACCCTGAGCACAGCAGTA
TCCATCAACCTGGGGTTCAGGAAGGGCTGACCCTCTCCACGCTAGTCTGCTCTGTCTTTATGGAGCAGGGCT
CTGGAGAAGCTGCTGCCGACCCAGAAACCACCACTGTTTCTTCATTTTATTAAACGTAGAGTATGCAATTCAG
CCGAAAAGGAAGTAGCTGGCACTTTGTCTCCGCATGTGGAACTACATTCTCCACTGAGCCAACAGGACTGGTTT
TGAGTACAGTAATGGACAGAGTAGTTGCTGAAAATATAACCCAAACATCCAGGGAAATAGTGATTTTCAGAGCGAT
TAGGAGAACCAAATTATGGGGCAGAAATAAGGGGCTTTTCCACAGGTTTCTTTGGAGGAAGATTTTCAGTGGTG
ACTTTAGAGAATACTCAACAGTGTCTCATCCCATAGCAAAAGAAGAAACGGTAATGATGGAAGGCTCTGGAGATG
CAGCATTTAGGGACACCCAGACTTCACCATCTACAGTACCTACTTCAGTTCACATCAGTCACATATCTGACTCAG
AAGGACCCAGTAGCACCATGGTCAGCACTTCAGCCTTCCCTGGGAAGAGTTTACATCCTCAGCTGAGGGCTCAG
GTGAGCAACTGGTCACAGTCAGCAGCTCTGTTGTTCCAGTGCTTCCAGTGCTGTGCAAAAAGTTTCTGGTACAG
CTTCTTCCATTATCGACGAAGGATTGGGAGAAGTGGGTACTGTCAATGAAATTGATAGAAGATCCACCATTTTAC
CAACAGCAGAAGTGGAAGGTACGAAAGCTCCAGTAGAGAAGGAGGAAGTAAAGGTCAGTGGCACAGTTTCAACAA
ACTTTCCCCAACTATAGAGCCAGCCAAATTATGGTCTAGGCAAGAAGTCAACCCTGTAAAGACAAGAAATGAAA
GTGAAACAACATCAGAGGAACAAATTCAAGAAGAAAAGTCAATTTGAATCCCCTCAAACTCTCTGCAACAGAAC
AAACAATCTTTGATTCACAGACATTTACTGAAACTGAACTCAAACCACAGATTATTCTGTACTAACAACAAAGA
AAACTTACAGTGATGATAAAGAAATGAAGGAGGAAGACACTTCTTTAGTTAACATGTCTACTCCAGATCCAGATG
CAAAATGGCTTGGAATCTTACACAACCTCTCCCTGAAGCTACTGAAAAGTCACATTTTTTCTTAGCTACTGCATTAG
TAACTGAATCTATACCAGCTGAACATGTAGTCACAGATTCACCAATCAAAAAGGAAGAAAGTACAAAACATTTTC
CGAAAGGCATGAGACCAACAATTCAAGAGTCAGATACTGAGCTCTTATTCTCTGGACTGGGATCAGGAGAAAGAG
TTTTACCTACTCTACCAACAGAGTCAGTGAATTTTACTGAAGTGGAACAAATCAATAACACATTATATCCCCACA
CTTCTCAAGTGGAAGTACCTCAAGTGACAAAATTTGAAGACTTTTAACAGAATGGAAAATGTGGCAAAAAGAGTTG

1036/2825
FIGURE 915C

GACCACTCGTATCTCAAACAGACATCTTTGAAGGTAGTGGGTCAGTAACCAGCACAACATTAATAGAAATTTTAA
GTGACACTGGAGCAGAAGGACCCACGGTGGCACCTCTCCCTTTCTCCACGGACATCGGACATCCTCAAAATCAGA
CTGTCTAGGTGGGCAGAAGAAATCCAGACTAGTAGACCACAAACCATAACTGAACAAGACTCTAACAAGAATTCTT
CAACAGCAGAAATTAACGAAACAACAACCTCATCTACTGATTTTCTGGCTAGAGCTTATGGTTTTGAAATGGCCA
AAGAATTTGTTACATCAGCACCAAAACCATCTGACTTGTATTATGAACCTTCTGGAGAAGGATCTGGAGAAGTGG
ATATTGTTGATTCAATTCACACTTCTGCAACTACTCAGGCAACCAGACAAGAAAGCAGCACCACATTTGTTTTCTG
ATGGGTCCCTGGAAAAACATCCTGAGGTGCCAAGCGCTAAAGCTGTTACTGCTGATGGATTCCCAACAGTTTCAG
TGATGCTGCCTCTTCATTTCAGAGCAGAACAAAAGCTCCCCTGATCCAACCTAGCACACTGTCAAATACAGTGTCA
ATGAGAGGTCCACAGACGGTAGTTTCCAAGACCGTTTCAGGGAATTCGAGGATTCCACCTTAAAACCTAACAGAA
AAAAACCCACTGAAAATATTATCATAGACCTGGACAAAAGAGGACAAGGATTTAATATTGACAATTACAGAGAGTA
CCATCCTTGAAATCTTACCTGAGCTGACATCGGATAAAAAATACTATCATAGATATTGATCATACTAAACCTGTGT
ATGAAGACATTCTTGGAATGCAAACAGATATAGATACAGAGGTACCATCAGAACCACATGACAGTAATGATGAAA
GTAATGATGACAGCACTCAAGTTCAAGAGATCTATGAGGCAGCTGTCAACCTTTCTTTAACTGAGGAAACATTTG
AGGGCTCTGCTGATGTTCTGGCTAGCTACACTCAGGCAACACATGATGAATCAATGACTTATGAAGATAGAAGCC
AACTAGATCATATGGGCTTTCACCTTCACAACTGGGATCCCTGCTCCTAGCACAGAAACAGAATTAGACGTTTTAC
TTCCACGGCAACATCCCTGCCAATTCCTCGTAAGTCTGCCACAGTTATTCCAGAGATTGAAGGAATAAAAGCTG
AAGCAAAAGCCCTGGATGACATGTTTGAATCAAGCACTTTGTCTGATGGTCAAGCTATTGCAGACCAAAGTGAAA
TAATACCAACATTGGGCCAATTTGAAAGGACTCAGGAGGAGTATGAAGACAAAAACATGCTGGTCTTCTTTTC
AGCCAGAATTCTCTTCAGGAGCTGAGGAGGCATTAGTAGACCATACTCCCTATCTAAGTATTGCTACTACCCACC
TTATGGATCAGAGTGTAAACAGAGGTGCCTGATGTGATGGAAGGATCCAATCCCCCATATTACACTGATACAACAT
TAGCAGTTTCAACATTTGCGAAGTTGTCTTCTCAGACACCATCATCTCCCCTCACTATCTACTCAGGCAGTGAAG
CCTCTGGACACACAGAGATCCCCCAGCCAGTGCTCTGCCAGGAATAGACGTCGGCTCATCTGTAATGTCCCCAC
AGGATTCTTTTAAAGGAAATTCATGTAAATATTGAAGCAACTTTCAAACCATCAAGTGAGGAATACCTTCACATAA
CTGAGCCTCCCTCTTTATCTCCTGACACAAAATTAGAACCTTCAGAAGATGATGGTAAACCTGAGTTATTAGAAG
AAATGGAAGCTTCTCCACAGAACTTATTGCTGTGGAAGGAAGTGAAGATTCTCCAAGATTTCCAAAACAAAACCG
ATGGTCAAGTTTCTGGAGAAGCAATCAAGATGTTTCCACCATTAAAACACCTGAGGCTGGAAGTGTATTACAA
CTGCCGATGAAATTGAATTAGAAGGTGCTACACAGTGGCCACACTCTACTTCTGCTTCTGCCACCTATGGGGTCG
AGGCAGGTGTGGTGCCTTGGCTAAGTCCACAGACTTCTGAGAGGCCACGCTTTCTTCTTCTCCAGAAATAAAC
CTGAAACTCAAGCAGCTTTAATCAGAGGGCAGGATTCCACGATAGCAGCATCAGAACAGCAAGTGGCAGCGAGAA
TTCTTGATTCCAATGATCAGGCAACAGTAAACCCCTGTGGAATTTAATACTGAGGTTGCAACACCACCATTTTCCC
TTCTGGAGACTTCTAATGAAACAGATTTTCTGATTGGCATTAAATGAAGAGTCAGTGGGAAGGCACGGCAATCTATT
TACCAGGACCTGATCGCTGCAAAATGAACCCGTGCCTTAACGGAGGCACCTGTTATCTACTGAAACTTCCTACG
TATGCACCTGTGTGCCAGGATACAGCGGAGACCAGTGTGAACCTTGATTTTGATGAATGTCACTCTAATCCCTGTC
GTAATGGAGCCACTTGTGTTGATGGTTTTAACACATTCAGGTGCCTCTGCCTTCCAAGTTATGTTGGTGCACCTT
GTGAGCAAGATACCGAGACATGTGACTATGGCTGGCACAATTCGAAGGGCAGTGCTACAAATACTTTGCCCATC
GACGCACATGGGATGCAGCTGAACGGGAATGCCGTCTGCAGGGTGCCCATCTCACAAGCATCCTGTCTCACGAAG
AACAAATGTTTGTAAATCGTGTGGGCCATGATTATCAGTGGATAGGCCTCAATGACAAGATGTTTGAGCATGACT
TCCGTTGGACTGATGGCAGCACACTGCAATACGAGAATTGGAGACCCAACCAGCCAGACAGCTTCTTTCTGCTG
GAGAAGACTGTGTTGTAATCATTGTCATGAGAATGGCCAGTGGAAATGATGTTCCCTGCAATTACCATCTCACCT
ATACGTGCAAGAAAGGAACAGTTGCTTGCGGCCAGCCCCCTGTTGTAGAAAATGCCAAGACCTTTGGAAAGATGA
AACCTCGTTATGAAATCAACTCCCTGATTAGATACCACTGCAAAGATGGTTTCATTCAACGTACCTTCCAACCTA
TCCGGTGCTTAGGAAATGGAAGATGGGCTATACCTAAAATTACCTGCATGAACCCATCTGCATACCAAAGGACTT
ATTCTATGAAATACTTTAAAAATTCCTCATCAGCAAAGGACAATTCAATAAATACATCCAAACATGATCATCGTT
GGAGCCGGAGGTGGCAGGAGTCGAGGCGCTGATCCCTAAAATGGCGAACATGTGTTTTTCATCATTTTCAGCCAAAG
TCCTAACTTCCTGTGCCTTTTCTATCACCTCGAGAAAGTAATTATCAGTTGGTTTGGATTTTGGACCACCGTTCA
GTCATTTTGGGTTGCCGTGCTCCCAAAACATTTTAAATGAAAGTATTGGCATTCAAAAAGACAGCAGACAAAATG
AAAGAAAATGAGAGCAGAAAGTAAGCATTTCCAGCCTATCTAATTTCTTTAGTTTTCTATTTGCCTCCAGTGCAG
TCCATTTCTAATGTATACCAAGCCTACTGTACTATTTAAATGCTCAATTTCAGCACCGATGGCCATGTAAATAA

1037/2825
FIGURE 915D

GATGATTTAATGTTGATTTTAATCCTGTATATAAAATAAAAAGTCACAATGAGTTTGGGCATATTTAATGATGAT
TATGGAGCCTTAGAGGTCTTTAATCATTGGTTCGGCTGCTTTTATGTAGTTTAGGCTGGAAATGGTTTCACTTGC
TCTTTGACTGTCAGCAAGACTGAAGATGGCTTTTCCTGGACAGCTAGAAAACACAAAATCTTGTAGGTCATTGCA
CCTATCTCAGCCATAGGTGCAGTTTGCTTCTACATGATGCTAAAGGCTGCGAATGGGATCCTGATGGAACTAAGG
ACTCCAATGTCGAACCTCTTCTTTGCTGCATTCTTTTTCTTCACTTACAAGAAAGGCCTGAATGGAGGACTTTTC
TGTAACCAGG

1038/2825
FIGURE 916

MFINKSILWMCSTLIVTHALHKVKVGKSPVVRGSLSGKVS L PCHFS T MPTLPPSYNTSEFLRIKWSKIEVDKNG
KDLKETTVLVAQNGNIKIGQDYKGRVSVPTHPEAVGDASLTVVKLLASDAGLYRCDVMYGIEDTQDTVSLTVDGV
VFHYRAATSRYTLNFEEAAQKACLDVGAVIATPEQLFAAYEDGFEQCDAGWLADQTVRYP IRAPRVGCYGD KMGKA
GVRTYGFRRSPQETDYVYCYVDHLDGDV FHLTVPSKFTFEEAAKECENQDARLATV GELQA AWRNGFDQCDYGWLS
DASVRHPVTVARAQCGGGLLGVRTLYRFENQTGFPPPDSRFDAYCFKPKEATTIDLSILAETASPSLSKEPQMVS
DRTPPIIPLVDELPIPTTEFPVGNIVSFEQKATVQPQAITDSLATKLPTPTGSTKKPWDMDYSPSASGPLGKL
DISEIKEEVLQSTTGVS HYATDSWDGVVEDKQTQESVTQIEQIEVGPLVTSMEILKHIPSKEFPVTETPLVTARM
ILES KTEKKMVSTVSELVTTGHYGFTLGEEDDEDRTLT VGSDESTLIFDQIPEVITVSKTSEDTIHTHLEDLESV
SASTTVSPLIMPDNNGSSMDWEERQTSGRITEEFLGKYLSTTPFPSQHRTEIELFPYSGDKILVEGISTVIYPS
LQTEMTHRRERTETLIPEMRTDYTDEIQEEITKSPFMGKTEEEVFSGMKLSTSLSEPIHVTESVEMTKSFDFP
TLITKLSAEPTEVRDMEEDFTATPGTTKYDENITT VLLAHGTL SVEAATVSKWSWDEDNTTSKPLESTEPSASSK
LPPALLTTVGMNGKDKDIPSTEDGADEFTLIPDSTQKQLEEVTDEDIAAHGKFTIRFQPTTSTGIAEKSTLRDS
TTEEKVPPITSTEGQVYATMEGSALGEVEDVDLSKPVSTVPQFAHTSEVEGLAFVSYSSSTQEPTTYVDSSTIPL
SVIPKTDWGVLPVSPVSEDEV LGEPSQDILVIDQTRLEATISPETMRTTKITEGTTQEEFPWKEQTAEKPV PALS
STAWTPKEAVTPLDEQEGDGSAYTVSEDELLTGSE RVPVLETTPVGKIDHSVSYPGAVTEHKVKTDEVVTLTPR
IGPKVSLSPGPEQKYETEGSSTTGFTSSLSPFSTHITQLMEETTTEKTSLEDIDLGSGLF EKPKATELIEFSTIK
VTVPSDITTAFFSSVDRLHTTSAFKPSSAITKKPPLIDREPGEETTS DMVIIGESTSHVPPTTLEDIVAKETETDI
DREYFTTSSPPATQPTRPPTVEDKEAFGPQALSTPQPPASTKFHPDINVYIIIEVRENKTGRMSDLSVIGHPIDSE
SKEDEPCSEETDPVHDLMAEILPEFPDIIIEIDLYHSENEEEEEECANATDVTTTPSVQYINGKHLVTTVPKDP
AAEARRGQFESVAPSQNFSDSSES DTHPFVIAKTELSTAVQPNESTETTESLEV TWKPETYPETSEHFSGGEPDV
FPTVPFH EEFESGTAKKGAESVTERDTEVGHQAHEHTEPVSLFP EESSG EIAIDQESQKIAFARATEVTFGEEVE
KSTSVTYTPTIIVPSSASAYVSEEEAVTLIGNPWPDDLSTKESWVEATPRQVVELSGSSSIPITEGSGEAEDED
TMFTMVTDL SQRNTTDTLITLDTSR IITESFFEV PATTIYPVSEQPSAKVVPTKFVSETDTSEWISSTTVEEKKR
KEEEGTTGTASTFEVYSSTQ RSDQLILPFELES PNVATSSDSGTRKSFMSLTTP TQSEREMTDSTPVFTETNTLE
NLGAQTTEHSSIHQPGVQEGLTTLPRSPASVFMEQGSGEAAAADPETTTVSSFSLNVEYAIQAEKEVAGT LSPHVE
TTFSTEPTGLVLSTVM DRVVAENITQTSREIVISERLGEPNYGAEIRGFSTGFPLEEDFSGDFREYSTVSHPIAK
EETVMMEGSGDAAFRDTQTSPSTVPTS VHISHISDSEGPSSTMVSTSAFP

1039/2825
FIGURE 917

GCTCGCGCACGGCTCCGCGGTCCCTTTTGCCTGTCCAGCCGGCCGCTGTCCCTGCTCCCTCCCTCCGTGAGTGT
CCGGGTTCCCTTCGCCCAGCTCTCCACCCCTACCCGACCCCGGCGCCCGGGCTCCCAGAGGGAAGTGCACCTCG
GCAGAGTTGAATGAATGAAGAGAGACGCGGAGAACTCCTAAGGAGGAGATTGGACAGGCTGGACTCCCCATTGCT
TTTCTAAAAATCTTGGAACCTTGTCTTCATTGAATTACGACACTGTCCACCTTTAATTTCTCGAAAACGCCT
GTAACCTCGGCTGAAGCCATGCCTTGTGTTTCAGGCGCAGTATGGGTCTCGCCTCAAGGAGCCAGCCCCGCTTCTC
AGAGCTACAGTTACCACTCTTCGGGAGAATACAGCTCCGATTTCTTAACTCCAGAGTTTGTCAAGTTTAGCATGG
ACCTCACCAACACTGAAATCACTGCCACCACTTCTCTCCCCAGCTTCAGTACCTTTATGGACAACCTACAGCACAG
GCTACGACGTCAAGCCACCTTGCTTGTACCAATGCCCTGTCCGGACAGCAGTCCTCCATTAAAGGTAGAAGACA
TTCAGATGCACAACCTACCAGCAACACAGCCACCTGCCCCCCCAGTCTGAGGAGATGATGCCGCACTCCGGGTCCGG
TTTACTACAAGCCCTCCTCGCCCCGACGCCCACCACCCGGGCTTCCAGGTGCAGCACAGCCCCATGTGGGACG
ACCCGGGATCTCTCCACAACCTCCACCAGAAGTACGTGGCCACTACGCACATGATCGAGCAGAGGAAAACGCCAG
TCTCCCGCCTCTCCCTCTTCTCCTTTAAGCAATCGCCCCCTGGCACCCCGGTGTCTAGTTGCCAGATGCGCTTCG
ACGGGCCCCCTGCACGTCCCCATGAACCCGGAGCCCGCCGGCAGCCACCAGTGGTGGACGGGCAGACCTTCGCTG
TGCCCAACCCCATTCGCAAGCCCGCGTCCATGGGCTTCCCGGGCTGCAGATCGGCCACGCGTCTCAGCTGCTCG
ACACGCAGGTGCCCTCACCGCGTTCGCGGGGCTCCCCCTCCAACGAGGGGCTGTGCGCTGTGTGTGGGGACAACG
CGGCCTGCCAACACTACGGCGTGCACCTGTGAGGGCTGCAAAGGCTTCTTTAAGCGCACAGTGCAAAAAATG
CAAAATACGTGTGTTTAGCAAATAAAAACTGCCAGTGGACAAGCGTCGCCGAATCGCTGTCTAGTACTGCCGAT
TTCAGAAGTGCTGGCTGTTGGGATGGTCAAAGAAGTGGTTCGCACAGACAGTTTAAAAGGCCGGAGAGGTGCTT
TGCCCTCGAAACCGAAGAGCCACAGGAGCCCTCTCCCCCTCGCCCCCGGTGAGTCTGATCAGTGCCCTCGTCA
GGGCCCATGTGACTCCAACCCGGCTATGACCAGCCTGGACTATTCCAGGTTCCAGGCGAACCTGACTATCAAA
TGAGTGGAGATGACACCCAGCATATCCAGCAATTCTATGATCTCCTGACTGGCTCCATGGAGATCATCCGGGGCT
GGGCAGAGAAGATCCCTGGCTTCGCAGACCTGCCCAAAGCCGACCAAGACCTGCTTTTTGAATCAGCTTTCTTAG
AACTGTTTGTCTTCGATTAGCATACAGGTCCAACCCAGTGGAGGGTAAACTCATCTTTTGCAATGGGGTGGTCT
TGCACAGGTTGCAATGCGTTGCTGGCTTTGGGAATGGATTGATTCCATTGTTGAATTCTCCTCCAACCTGTCAGA
ATATGAACATCGACATTTCTGCCTTCTCCTGCATTGCTGCCCTGGCTATGGTCACAGAGAGACACGGGCTCAAGG
AACC CAAGAGAGTGGAAGAAGTGC AAAACAAGATTGTAAATTGTCTCAAAGACCACGTGACTTTCAACAATGGGG
GGTTGAACCGCCCCAATTATTTGTCAAACCTGTTGGGGAAGCTCCCAAGACTTCGTACCCTTTGCACACAGGGGC
TACAGCGCATTTTCTACCTGAAATTGGAAGACTTGGTGCCACCGCCAGCAATAATTGACAAACTTTTCTGGACA
CTTTACCTTTCTTAAGACCTCCTCCCAAGCACTTCAAAGGAACTGGAATGATAATGGAAGTGTCAAGAGGGGGCA
AGTCACATGGGCAGAGATAGCCGTGTGAGCAGTCTCAGCTCAAGCTGCCCCCATTTCTGTAAACCTCCTAGCCC
CCTTGATCCCTAAAGAAAACAAACAAACAAAACTGTTGCTATTTCTAACCTGCAGGCAGAACCTGAAAG
GGCATTTTGGCTCCGGGGCATCCTGGATTTAGAACATGGACTACACACAATACAGTGGTATAAACTTTTTATTCT
CAGTTTAAAAATCAGTTTGTGTTTGAAGAAGATTGCTATAAGGTATAATGGGAAATGTTTGGCCATGCTTGG
TTGTTGCAGTTCAGACAAATGTAACACACACACACATACACACACACACAGAGACACATCTTAAGGGGA
CCCACAAGTATTGCCCTTTAACAAGACTTCAAAGTTTTCTGCTGTAAAGAAAGCTGTAATATATAGTAAACTAA
ATGTTGCGTGGGTGGCATGAGTTGAAGAAGGCAAAGGCTGTAAATTTACCCAATGCAGTTTGGCTTTTTAAAT
ATTTTGTGCCTATTTATGAATAAATATTACAAATTCTAAAAGATAAGTGTGTTTGCAAAAAAAGAAAAATAAT
ACATAAAAAAGGGACAAGCATGTTGATTCTAGGTTGAAAATGTTATAGGCACTTGCTACTTCAGTAATGTCTATA
TTATATAAATAGTATTTTACAGACTATGTAGTCTGTTAGATTTTATAAAGATTGGTAGTTATCTGAGCTTAAACA
TTTTCTCAATTGTAAAATAGGTGGGCACAAGTATTACACATCAGAAAATCCTGACAAAAGGGACACATAGTGTT
GTAACACCGTCCAACATTCCCTGTTTGTAAAGTGTGTATGTACCGTTGATGTTGATAAAAAGAAAGTTTATACT
TGATTATTTTGTGTCTAAAGCTAAACAAAACCTGCATGCAGCAGCTTTTGACTGTTTCCAGAGTGCTTATAATA
TACATAACTCCCTGGAAATAACTGAGCACTTTGAATTTTTTTTTATGTCTAAAATTGTGAGTTAATTTATTATTT
GTTTGAGTAAGAATTTTAATATTGCCATATTCTGTAGTATTTTCTTTGTATATTTCTAGTATGGCACATGATAT
GAGTCACTGCCTTTTTTTCTATGGTGTATGACAGTTAGAGATGCTGATTTTTTTCTGATAAATCTTTCTTTGA
GAAAGACAATTTTAATGTTTACAACAATAAACCATGTAAATGAAAAA

1040/2825
FIGURE 918

MPCVQAQYGSSPQGASPASQSYSHSSGEYSSDFLTPEFVKFSMDLTNTEITATTSLPSFSTFMDNYSTGYDVKP
PCLYQMPLSGQQSSIKVEDIQMHNYQQHSHLPPQSEEMMPHSGSVYYKPSSPPTPTTPGFQVQHSPMWDDPGSLH
NFHQNYVATTHMIEQRKTPVSRLSLFSFKQSPPGTPVSSCQMRFDGPLHVPMNPEPAGSHHVVDGQTFVAVPNPIR
KPASMGFPGLQIGHASQLLDTQVPSPPSRGSPSNEGLCAVCGDNAACQHYGVRTCEGCKGFFKRTVQKNAKYVCL
ANKNCPVDKRRRNRCQYCRFQKCLAVGMVKEVVRTDSLKGRRGRLEPSKPKSPQEPSPSPSPVSLISALVRAHVDS
NPAMTSLDYSRFQANPDYQMSGDDTQHIQQFYDLLTGSMEIIRGWAEEKIPGFADLPKADQDLLFESAFLELFVLR
LAYRSNPVEGKLIFCNGVVLHRLQCVRGFGGEWIDSIVEFSSNLQNMNIDISAFSCIAALAMVTERHGLKEPKRVE
ELQNKIVNCLKDHVTFNNGGLNRPNYLSKLLGKLPRLTLCTQGLQRIFYLKLEDLVPPPAIDKLFDLTLPF

1041/2825
FIGURE 919A

CGCCGCGGGAGGCGGACGAGATGCGAGCGCGGCCGCGCCCCGCGCTCTGGGCGACTGTGCTGGCGCTGGGGG
CGCTGGCGGGCGTTGGCGTAGGAGGGCCCAACATCTGTACCACGCGAGGTGTGAGCTCCTGCCAGCAGTGCCCTGG
CTGTGAGCCCCATGTGTGCCTGGTGCTCTGATGAGGCCCTGCCTCTGGGCTCACCTCGCTGTGACCTGAAGGAGA
ATCTGCTGAAGGATAACTGTGCCCCAGAATCCATCGAGTTCCCAGTGAGTGAGGCCCGAGTACTAGAGGACAGGC
CCCTCAGCGACAAGGGCTCTGGAGACAGCTCCCAGGTCACTCAAGTCAGTCCCCAGAGGATTGCACTCCGGCTCC
GGCCAGATGATTGGAAGAATTTCTCCATCCAAGTGCGGCAGGTGGAGGATTACCCTGTGGACATCTACTACTTGA
TGGACCTGTCTTACTCCATGAAGGATGATCTGTGGAGCATCCAGAACCTGGGTACCAAGCTGGCCACCCAGATGC
GAAAGCTCACCAGTAACCTGCGGATTGGCTTCGGGGCATTGTGTGGACAAGCCTGTGTACCATAACATGTATATCT
CCCCACCAGAGGCCCTCGAAAACCCCTGCTATGATATGAAGACCACCTGCTTGCCCATGTTTGGCTACAAACACG
TGCTGACGCTAACTGACCAGGTGACCCGCTTCAATGAGGAAGTGAAGAAGCAGAGTGTGTACGGAACCGAGATG
CCCCAGAGGGTGGCTTTGATGCCATCATGCAGGCTACAGTCTGTGATGAAAAGATTGGCTGGAGGAATGATGCAT
CCCATTGCTGGTGTTTACCACTGATGCCAAGACTCATATAGCATTGGACGGAAGGCTGGCAGGCATTGTCCAGC
CTAATGACGGGCAGTGTCTGTTGGTAGTGACAATCATTACTCTGCCTCCACTACCATGGATTATCCCTCTTTGG
GGCTGATGACTGAGAAGCTATCCAGAAAACATCAATTTGATCTTTGCAGTGACTGAAAATGTAGTCAATCTCT
ATCAGAACTATAGTGAGCTCATCCCAGGGACCACAGTTGGGGTTCTGTCCATGGATTCCAGCAATGTCTCCAGC
TCATTGTTGATGCTTATGGGAAAATCCGTTCTAAAGTAGAGCTGGAAGTGCGTGACCTCCCTGAAGAGTTGTCTC
TATCCTTCAATGCCACCTGCCTCAACAATGAGGTATCCCTGGCCTCAAGTCTTGTATGGGACTCAAGATTGGAG
ACACGGTGAGCTTCAGCATTGAGGCCAAGGTGCGAGGCTGTCCCCAGGAGAAGGAGAAGTCCTTTACCATAAAGC
CCGTGGGCTTCAAGGACAGCCTGATCGTCCAGGTACCTTTGATTGTGACTGTGCCTGCCAGGCCCAAGCTGAAC
CTAATAGCCATCGCTGCAACAATGGCAATGGGACCTTTGAGTGTGGGGTATGCCGTTGTGGGCCTGGCTGGCTGG
GATCCCAGTGTGAGTGCTCAGAGGAGGACTATCGCCCTTCCAGCAGGACGAGTGCAGCCCCGAGAGGGTACAGC
CCGTCTGCAGCCAGCGGGGCGAGTGCCCTCTGTGGTCAATGTGTCTGCCACAGCAGTGACTTTGGCAAGATCACGG
GCAAGTACTGCGAGTGTGACGACTTCTCCTGTGTCCGCTACAAGGGGGAGATGTGCTCAGGCCATGGCCAGTGCA
GCTGTGGGGACTGCCTGTGTGACTCCGACTGGACCGGCTACTACTGCAACTGTACCACGCGTACTGACACCTGCA
TGTCCAGCAATGGGCTGCTGTGTCAGCGGCCGCGGCAAGTGTGAATGTGGCAGCTGTGTCTGTATCCAGCCGGGCT
CCTATGGGGACACCTGTGAGAAGTGCCCCACCTGCCAGATGCCTGCACCTTTAAGAAAGAATGTGTGGAGTGTA
AGAAGTTTGACCGGGGAGCCCTACATGACGAAAATACCTGCAACCGTTACTGCCGTGACGAGATTGAGTCAGTGA
AAGAGCTTAAGGACACTGGCAAGGATGCAGTGAATTGTACCTATAAGAATGAGGATGACTGTGTCTGTCAGATTCC
AGTACTATGAAGATTCTAGTGGAAGTCCATCCTGTATGTGGTAGAAGAGCCAGAGTGTCCCAAGGGCCCTGACA
TCCTGGTGGTCCCTGCTCTCAGTGATGGGGGCCATTCTGCTCATTGGCCTTGCCGCCCTGCTCATCTGGAACCTCC
TCATCACCATCCACGACCGAAAAGAATTTCGCTAAATTTGAGGAAGAAGCGCCAGAGCAAAATGGGACACAGCCA
ACAACCCACTGTATAAAGAGGGCCACGTCTACCTTCACCAATATCACGTACCGGGGCACTTAATGATAAGCAGTCA
TCCTCAGATCATTATCAGCCTGTGCCACGATTGCAGGAGTCCCTGCCATCATGTTTACAGAGGACAGTATTTGTG
GGGAGGGATTGGGGCTCAGAGTGGGGTAGGTTGGGAGAATGTCAGTATGTGGAAGTGTGGGTCTGTGTGTGTGT
ATGTGGGGGTCTGTGTGTTTATGTGTGTGTGTGTGTGTGGGAGTGTGTAATTTAAATTTGTGATGTGTCTGTGAT
AAGCTGAGCTCCTTAGCCTTTGTCCCAGAATGCCTCCTGCAGGGATTCTTCCTGCTTAGCTTGAGGGTGACTATG
GAGCTGAGCAGGTGTTCTTACCTCAGTGAGAAGCCAGCTTTCCTCATCAGGCCATTGTCCCTGAAGAGAAG
GGCAGGGCTGAGGCCTCTCATTCCAGAGGAAGGGACACCAAGCCTTGGCTCTACCCTGAGTTCATAAATTTATGG
TTCTCAGGCCTGACTCTCAGCAGCTATGGTAGGAAGTGTGGGCTTGGCAGCCCGGGTCATCTGTACCTCTGCCT
CCTTTCCCTCCCTCAGGCCGAAGGAGGAGTCAGGGAGAGCTGAACCTATTAGAGCTGCCTGTGCCTTTTGCCATC
CCCTCAACCCAGCTATGGTTCTCTCGCAAGGGAAAGTCTTGCAAGCTAATTCTTTGACCTGTTGGGAGTGAGGAT
GTCTGGGCCACTCAGGGGTCAATTCATGGCCTGGGGGATGTACCAGCATCTCCAGTTCATAATCACAAACCTTCA
GATTTGCCCTTATTGGCAGCTCTACTCTGGAGGTTTGTTTAGAAGAAGTGTGTACCCTTAGGCCAGCACCATCTC
TTTACCTCCTAATTCCACACCCCTCACTGCTGTAGACATTTGCTATGAGCTGGGGATGTCTCTCATGACCAATGC
TTTTCTCAAAGGGAGAGAGTGTATTGTAGAGCCAGAGGTCTGGCCCTATGCTTCCGGCCTCCTGTCCCTCATC
CATAGCACCTCCACATACTGGCCCTGAGCCTTGGTGTGCTGTATCCATCCATGGGGCTGATTGTATTTACCTTC
TACCTCTTGGCTGCCTTGTGAAGGAATTATTCCCATGAGTTGGCTGGGAATAAGTGCCAGGATGGAATGATGGGT
CAGTTGTATCAGCACGTGTGGCCTGTTCTTCTATGGGTTGGACAACCTCATTTTAACTCAGTCTTTAATCTGAGA

1042/2825
FIGURE 919B

GGCCACAGTGCAATTTTATTTTATTTTCTCATGATGAGGTTTTCTTAACTTAAAAGAACATGTATATAAACATG
CTTGCAATTATATTTGTAAATTTATGTGATGGCAAAGAAGGAGAGCATAGGAAACCACACAGACTTGGGCAGGGTA
CAGACACTCCCACTTGGCATCATTCACAGCAAGTCACTGGCCAGTGGCTGGATCTGTGAGGGGCTCTCTCATGAT
AGAAGGCTATGGGGATAGATGTGTGGACACATTGGACCTTTCCTGAGGAAGAGGGACTGTTCTTTTGTCCCAGAA
AAGCAGTGGCTCCATTGGTGTGACATACATCCAACATTTAAAGCCACCCCCAAATGCCCAAGAAAAAAGAAAG
ACTTATCAACATTTGTTCCATGAGCAGAAAACCTGGAGCTCTGGCCTCAGTGTTACAGCTAAATAATCTTTAATTA
AGGCAAGTCACTTTCTTCTTCTTAAAGCTGTTTTCTAGTTTTGAGAAATGATGGGATTTTAGCAGCCAGTCTTGAA
GGTCTCTTTTCAGTATCAACATTCCTAAGATGCTGGGACTTACTGTGTCAATCAAAATGTGCGGTTAAGATTCTCTGGG
ATATTGATACTGTTTGTGTTTTAGTTGGGAGATCTGAGAGACCTGGCTTTGGCAAGAGCAGATGTCATTCCATA
TCACCTTTCTCAATGAAAGTCTCATTCTATCCTCTCTCAAACCCGTTTTCCAACATTTGTTAATAGTTACGTCT
CTCCTGATGTAGCACTTAAGCTTCATTTAGTTATTATTTCTTTCTTCACTTTGCACACATTTGCATCCACATATT
AGGGAAGAGGAATCCATAAGTAGCTGAAATATCTATTCTGTATTATTGTGTTAACATTGAGAATAAGCCTTGGA
TTAGATATGGGGCAATGACTGAGCCCTGTCTCACCATGGATTACTCCTTACTGTAGGGAATGGCAGTATGGTAG
AGGGATAAATAGGGGGCGGGGAGGGATAGTCATGGATCCAAGAAGTCCTTAGAAATAGTGGCAGGGAACAGGTGT
GGAAGCTCATGCCTGTAATTATAACCTTCAGCTACTAAGACAGGTGTGGTGGCTCACGCCTGTGATTATAATCTT
CAGTTACTAAGACAGAGTCCATGAGAGTGTTAATGGGACATTTTCTTTAGATAAGATGTTTTATATGAAGAACT
GTATCAAAGGGGGAAGAAAATGTATTTAACAGGTGAATCAAATCAGGAATCTTGTCTGAGCTACTGGAATGAAGT
TCACAGGTCTTGAAGACCAATATTATTTGTCAATATGTGGGGATAACCTGTAGCTGCATTCATGAGGTAGCAAAT
AGCAGTTTTGGCCTGTGGGGTGAACAGCTAAACAGTGTTCTGGCATCAGATAACACGGCACAAAGGGATTGTGTC
TAGCTCTTTTGGAGAAAATTTATGTCCAGTCTCAGGATCTGTGGACAATAACGGAAAACTTTGAATATTCCTGAC
AAGTTGCCATATTAGGAGTCAGTTCTTTACTTCTCTGAGATTCCCAGGTCATCCATGATTTTTTTTTTAATTGA
GACAAAG

1043/2825
FIGURE 920

PREADEMRARPRPRPLWATVLALGALAGVGVGGPNICTTRGVSSCQQCLAVSPMCAWCSDEALPLGSPRCDLKEN
LLKDNCAPESEIEFPVSEARVLEDRLSDKSGDSSQVTQVSPQRIALRLRPDDSKNFSIQVRQVEDYPVDIYYLM
DLSYSMKDDLWSIQNLGTKLATQMRKLTSLNLRIGFGAFVDKPVSPYMYISPPEALENPCYDMKTTCLPMFGYKHV
LTLTDQVTRFNEEVKKQSVSRNRDAPEGGFDAIMQATVCDEKIGWRNDASHLLVFTTDAKTHIALDGRLAGIVQP
NDGQCHVGSDNHYSASTTMDYPSLGLMTEKLSQKNINLIFAVTENVVNLYQNYSELIPGTTVGVLSDSSNVLQL
IVDAYGKIRSKVELEVRLPEELSLSFNATCLNNEVIPGLKSCMGLKIGDTVSFSEAKVRGCPQEKEKSFTIKP
VGFKDSLIVQVTFDCDCACQAQAEPNSHRCNNGNGTFECGVCRCGPGWLGSQCECSEEDYRPSQQDECSREGQP
VCSQRGECLCGQCVCHSSDFGKITGKYCECDDFSCVRYKGEMCSGHGQCSCGDCLCDSDWTGYCNCCTTRDTTCM
SSNGLLCSGRGKCECGSCVCIQPGSYGDTCEKCPTCPDACTFKKECVECKKFDRGALHDENTCNRYCRDEIESVK
ELKDTGKDAVNCTYKNEDDCVVRFQYYEDSSGKSILYVVEEPEC PKGPDILVVLLSVMGAILLIGLAALLIWKLL
ITIHDRKEFAKFEEERARAKWDTANNPLYKEATSTFTNITYRGT

1044/2825
FIGURE 921A

GCGGGAGGCGGACGAGATGCGAGCGCGGCCGCGGCCCGGCCGCTCTGGGCGACTGTGCTGGCGCTGGGGGCGCT
GGCGGGCGTTGGCGTAGGAGGGCCCAACATCTGTACCACGCGAGGTGTGAGCTCCTGCCAGCAGTGCCTGGCTGT
GAGCCCCATGTGTGCTTGGTGTCTGTATGAGGCCCTGCCTCTGGGCTCACCTCGCTGTGACCTGAAGGAGAATCT
GCTGAAGGATAACTGTGCCCCAGAATCCATCGAGTTCCCAGTGAGTGAGGCCCGAGTACTAGAGGACAGGCCCCCT
CAGCGACAAGGGCTCTGGAGACAGCTCCCAGGTCACTCAAGTCAGTCCCCAGAGGATTGCACTCCGGCTCCGGCC
AGATGATTTCGAAGAATTTCTCCATCCAAGTGCGGCAGGTGGAGGATTACCTGTGGACATCTACTACTTGTATGGA
CCTGTCTTACTCCATGAAGGATGATCTGTGGAGCATCCAGAACCTGGGTACCAAGCTGGCCACCCAGATGCGAAA
GCTCACCAGTAACCTGCGGATTGGCTTCGGGGCATTGTGTGGACAAGCCTGTGTACCATACATGTATATCTCCCC
ACCAGAGGCCCCTCGAAAACCCCTGCTATGATATGAAGACCACCTGCTTGCCCATGTTTGGCTACAAACACGTGCT
GACGCTAACTGACCAGGTGACCCGCTTCAATGAGGAAGTGAAGAAGCAGAGTGTGTACGGAACCGAGATGCCCC
AGAGGGTGGCTTTGATGCCATCATGCAGGCTACAGTCTGTGATGAAAAGATTGGCTGGAGGAATGATGCATCCCA
CTTGCTGGTGTTTACCACTGATGCCAAGACTCATATAGCATTGGACGGAAGGCTGGCAGGCATTGTCCAGCCTAA
TGACGGGCAGTGTCTATGTTGGTAGTGACAATCATTACTCTGCCTCCACTACCATGGATTATCCCTCTTTGGGGCT
GATGACTGAGAAGCTATCCAGAAAAACATCAATTTGATCTTTGCAGTGACTGAAAATGTAGTCAATCTCTATCA
GAACTATAGTGAGCTCATCCCAGGGACCACAGTTGGGGTTCTGTCCATGGATTCCAGCAATGTCTCTCCAGCTCAT
TGTTGATGCTTATGGGAAAATCCGTTCTAAAGTAGAGCTGGAAGTGCGTGACCTCCCTGAAGAGTTGTCTCTATC
CTTCAATGCCACCTGCCTCAACAATGAGGTCACTCCCTGGCCTCAAGTCTTGTATGGGACTCAAGATTGGAGACAC
GGTGAGCTTCAGCATTGAGGCCAAGGTGCGAGGCTGTCCCCAGGAGAAGGAGAAGTCCTTTACCATAAAGCCCGT
GGGCTTCAAGGACAGCCTGATCGTCCAGGTACCTTTGATTGTGACTGTGCCTGCCAGGCCCAAGCTGAACCTAA
TAGCCATCGCTGCAACAATGGCAATGGGACCTTTGAGTGTGGGGTATGCCGTTGTGGGCCTGGCTGGCTGGGATC
CCAGTGTGAGTGCTCAGAGGAGGACTATCGCCCTTCCAGCAGGACGAATGCAGCCCCCGGGAGGGTCAGCCCGT
CTGCAGCCAGCGGGGCGAGTGCCCTCTGTGGTCAATGTGTCTGCCACAGCAGTGACTTTGGCAAGATCACGGGC
GTACTGCGAGTGTGACGACTTCTCCTGTGTCCGCTACAAGGGGGAGATGTGCTCAGGCCATGGCCAGTGCAGCTG
TGGGGACTGCCTGTGTGACTCCGACTGGACCGGCTACTACTGCAACTGTACCACGCGTACTGACACCTGCATGTC
CAGCAATGGGCTGCTGTGCAGCGGCCGCGGCAAGTGTGAATGTGGCAGCTGTGTCTGTATCCAGCCGGGCTCCTA
TGGGGACACCTGTGAGAAGTGCCCCACCTGCCCAGATGCCTGCACCTTTAAGAAAGAATGTGTGGAGTGTAAGAA
GTTTGACCGGGAGCCCTACATGACCGAAAATACCTGCAACCGTTACTGCCGTGACGAGATTGAGTCAGTGAAAAG
GCTTAAGGACACTGGCAAGGATGCAGTGAATTGTACCTATAAGAATGAGGATGACTGTGTCTGTCAGATTCCAGTA
CTATGAAGATTCTAGTGGAAGTCCATCCTGTATGTGGTAGAAGAGCCAGAGTGTCCCAAGGGCCCTGACATCCT
GGTGGTCTCTGCTCTCAGTGATGGGGCCATTCTGCTCATTGGCCTTGCCGCCCTGCTCATCTGGAAACTCCTCAT
CACCATCCACGACCGAAAAGAATTGCTAAATTTGAGGAAGAACGCGCCAGAGCAAAATGGGACACAGCCAACAA
CCCACTGTATAAAGAGGCCACGTCTACCTTACCAATATCACGTACCGGGGCACTTAATGATAAGCAGTCATCCT
CAGATCATTATCAGCCTGTGCCACGATTGCAGGAGTCCCTGCCATCATGTTTACAGAGGACAGTATTTGTGGGGA
GGGATTTGGGGCTCAGAGTGGGGTAGGTTGGGAGAATGTCAGTATGTGGAAGTGTGGGTCTGTGTGTGTGTATGT
GGGGGTCTGTGTGTTTATGTGTGTGTGTGTGTGTGTGGGAGTGTGTAATTTAAAATTGTGATGTGTCTGATAAGC
TGAGCTCCTTAGCCTTTGTCCAGAATGCCTCCTGCAGGGATTCTTCTGCTTAGCTTGAGGGTGACTATGGAGC
TGAGCAGGTGTTCTTCATTACCTCAGTGAGAAGCCAGCTTTCCTCATCAGGCCATTGTCCCTGAAGAGAAGGGCA
GGGCTGAGGCCTCTCATTCCAGAGGAAGGGACACCAAGCCTTGGCTCTACCCTGAGTTTCATAAATTTATGGTTCT
CAGGCCTGACTCTCAGCAGCTATGGTAGGAAGTGTGGGCTTGGCAGCCCGGGTCATCTGTACCTCTGCCTCCTT
TCCCCCTCCCTCAGGCCGAAGGAGGAGTCAGGGAGAGCTGAACTATTAGAGCTGCCTGTGCCTTTTGCCATCCCC
CAACCCAGCTATGGTTCTCTCGCAAGGGAAGTCTTGCAAGCTAATTTGACCTGTTGGGAGTGAGGATGTCT
GGGCCACTCAGGGGTCATTATGGCCTGGGGGATGTACCAGCATCTCCAGTTTCATAATCACAACCCCTCAGATT
TGCCCTTATTGGCAGCTCTACTCTGGAGGTTTGTGTTAGAAAGTGTGTACCCCTTAGGCCAGCACCATCTCTTTA
CCTCCTAATTCCACACCCCTCACTGCTGTAGACATTTGCTATGAGCTGGGGATGTCTCTCATGACCAATGCTTTT
CCTCAAAGGGAGAGAGTGCTATTGTAGAGCCAGAGGTCTGGCCCTATGCTTCCGGCCTCCTGTCCCTCATCCATA
GCACCTCCACATACCTGGCCCTGAGCCTTGGTGTGCTGTATCCATCCATGGGGCTGATTGTATTTACCTTCTACC
TCTTGGCTGCCTTGTGAAGGAATTATTCCCATGAGTTGGCTGGGAATAAGTGCCAGGATGGAATGATGGGGTCAGT
TGATACAGCACGTGTGGCCTGTTCTTCTATGGGTTGGACAACCTCATTTTAACTCAGTCTTTAATCTGAGAGGCC

1045/2825
FIGURE 921B

ACAGTGCAATTTTATTTTATTTTCTCATGATGAGGTTTTCTTAACCTAAAAGAACATGTATATAAACATGCTTG
CATTATATTTGTAAATTTATGTGTATGGCAAAGAAGGAGAGCATAGGAAACCACACAGACTTGGGCAGGGTACAG
ACACTCCCACTTGGCATCATTACAGCAAGTCACTGGCCAGTGGCTGGATCTGTGAGGGGCTCTCTCATGATAGA
AGGCTATGGGGATAGATGTGTGGACACATTGGACCTTTCCTGAGGAAGAGGGACTGTTCTTTGTCCCAGAAAAG
CAGTGGCTCCATTGGTGTGACATACATCCAACATTAAAAGCCACCCCAATGCCCAAGAAAAAAGAAAGACT
TATCAACATTTGTTCCATGAGG

1046/2825
FIGURE 922

MRARPRPRPLWATVLALGALAGVGVGGPNICTTRGVSSCQQCLAVSPMCAWCSDEALPLGSPRCDLKENLLKDNC
APESIEFPVSEARVLEDRPLSDKGSGDSSQVTQVSPQRIALRLRPDDSKNFSIQVRQVEDYPVDIYYLMDLSYSM
KDDLWSIQNLGTLKATQMRKLTSNLRIGFGAFVDKPVSPYMYISPPEALENPCYDMKTTCLPMFGYKHVLTLTDO
VTRFNEEVKKQSVSRNRDAPEGGFDAIMQATVCDEKIGWRNDASHLLVFTTDAKTHIALDGRLAGIVQPNDGQCH
VGSDNHYSASTTMDYPSLGLMTEKLSQKNINLIFAVTENVVNLQNYSELIPGTTVGVLSDSSNVLQLIVDAYG
KIRSKVELEVRLPEELSLSFNATCLNNEVIPGLKSCMGLKIGDTVFSFIEAKVRGCPQEKEKSFTIKPVGFKDS
LIVQVTFDCDCACQAQAEFNSHRCNNGNGTFECGVCRCGPGLGSQCECSEEDYRPSQQDECSPPREGQPVCSQRG
ECLCGQCVCHSSDFGKITGKYCEDDFSCVRYKGEMCSGHGQCSCGDCLCDSDWTGYCNCCTTRTDTCMSSNGLL
CSGRGKCECGSCVCIQPGSYGDTCEKCPTCPDACTFKKECVECKKFDREPYMTENTCNRYCRDEIESVKELKDTG
KDAVNCTYKNEDDCVVRFYQYEDSSGKSILYVVEEPEC PKGPDILVVL SVMGAILLIGLAALLIWKLLITIHDR
KEFAKFEEERARAKWDTANNPLYKEATSTFTNITYRGT

1047/2825
FIGURE 923

AGGGAATAAAGGCTCAGGGACCGGCAGTTCTACTCTAGAGCCCACCAGCCTCTCAGAGCCTCCGGTGACTGGCCT
GTGTCTCCCCCTGG**ATG**GACATGTGGACGGCGCTGCTCATCCTGCAAGCCTTGTTGCTACCCTCCCTGGCTGATG
GTGCCACCCCTGCCCTGCGCTTTGTAGCCGTGGGTGACTGGGGAGGGGTCCCCAATGCCCCATTCCACACGGCCC
GGGAAATGGCCAATGCCAAGGAGATCGCTCGGACTGTGCAGATCCTGGGTGCAGACTTCATCCTGTCTCTAGGGG
ACAATTTTTTACTTCACTGGTGTGCAAGACATCAATGACAAGAGGTTCCAGGAGACCTTTGAGGACGTATTCTCTG
ACCGCTCCCTTCGCAAAGTGCCCTGGTACGTGCTAGCCGGAAACCATGACCACCTTGGCAATGTCTCTGCCCAGA
TTGCATACTCTAAGATCTCCAAGCGCTGGAACCTCCCCAGCCCTTTCTACCGCCTGCACTTCAAGATCCCACAGA
CCAATGTGTCTGTGGCCATTTTTATGCTGGACACAGTGACACTATGTGGCAACTCAGATGACTTCCTCAGCCAGC
AGCCTGAGAGGCCCCGAGACGTGAAGCTGGCCCGCACACAGCTGTCTGGCTCAAGAAACAGCTGGCGGCGGCCA
GGGAGGACTACGTGCTGGTGGCTGGCCACTACCCCGTGTGGTCCATAGCCGAGCACGGGCCTACCCACTGCCTGG
TCAAGCAGCTACGGCCACTGCTGGCCACATACGGGGTCACTGCCTACCTGTGCGGCCACGATCACAATCTGCAGT
ACCTGCAAGATGAGAATGGCGTGGGCTACGTGCTGAGTGGGGCTGGGAATTTTCATGGACCCCTCAAAGCGGCACC
AGCGCAAGGTCCCCAACGGCTATCTGCGCTTCCACTATGGGACTGAAGACTCACTGGGTGGCTTTGCCTATGTGG
AGATCAGCTCCAAAGAGATGACTGTCACCTTACATCGAGGCCTCGGGCAAGTCCCTCTTTAAGACCAGGCTGCCGA
GGCGAGCCAGGCCC**TGA**ACTCCCATGACTGCCCAGCTCTGAGGCCCGATCTCCACTGTTGGGTGGGTGGCCTGCC
GGGACCCTGCTCACAGGCAGGCTTTTCCTCCAACCTGTGGCGCTGCAGCAGGGCAGGAAGGGGAAACACAGCTGA
TGAAGTGTGGTGCCACATGACCCTTGTGGCACAGATGCCCACGTATGTGAAACACACATGGACATGTGTCCCAGC
CACAGTGTATGCTCTGTGGCTGGCTCACCTTTGCTGAGTTCCGGGGTGCAATGGGGGAGGGAGGGAGGGAAAGC
TTCCTCCTAAATCAAGCATCTTTCTGTTACTGATGTTCAATAAAAGAATAGTTGCCAAGGCTG

1048/2825
FIGURE 924

MDMWTALLILQALLLP
SLADGATPALRFVAVGDWGGVPNAPFHTAREMANAKEIARTVQILGADFILSLGDNFYF
TGVQDINDKRFQET
FEDVFSDRSLRKVPWYVL
AGNHDHLGNVSAQIAYS
KISKRWNFPSPFYRLHFKIPQTNVSV
AIFMLDTVTLCGNSDDFLSQQ
PERPRDVKLARTQLSWLKKQLAAARE
DYVLVAGHYPVWSIAEHGPTHCLVKQLR
PLLATYGV
TAYLCGHDHNLQYLQDENG
VGIVLSGAGNFMDPSKRHQ
RKVPNGYLRFHYGTEDSLGGFAYVEISSK
EMTVTYIEASGKSLFKTRLPRRARP

1049/2825
FIGURE 925

CGGGCCGCCGGGACGGGCGACGGGCGCGGGGCTCCGGCGGGCGCCGGCTGCCTTCCTCCGTCGCTCGCTGTCTCT
CCCGGCCGCATTCTCTCTCCGCTGCGGGGCCGAGCTCTCCCCAGCGCTCGCAGGAAGGAAGAAGGGAGCCGAGGAC
GCCGAGAAGTTCCCGCGGCAGCCGCGGATCCCGGCCAAGGCGGAGGCTGCGGCTCCGACGGGGCAGGAGCGCGAT
CCACGGCGAGGGGCGTACGGCCAAAGGGTCCGCGGCGTGGAGCGCTCGGACCTTCCGCTCTCCCCCGGGCGTGGG
CCGGGACCCCCATGAGACGCGCCCACGAGGGGCGCGAGATTCTAGCTTGGGCGGCGCTAGGCGGAGGGAGGTGTT
GCAGGCCGGCCGGAGCCAGAGAGCTGCCGGCAGGAGGCGGCGGGCGGCAAGAACTTGAACCTGGCGTCGGGAGCGG
GCGCCCCGGAGGGCCCCCGCGGGGCGGGGCGCGAGGGACCTGCGCCGCAGCGCTGCCCCCGAATGGCCGCG
GCGGCGGACCGGGCTCCCGCGCCGCGGGCCCTAGGCCGCTCTCGCCATGGCCAAGTGGCTAAACAAGTACTTTCAG
CTTGGGCAACAGCAAGACCAAGAGCCCCCGCAGCCGCGCGGCCAGACTACCGCGAGCAGCGGCGCCGAGGCGA
GCGGCCCTTCGAGCCCCCCCCAGGCCGTGCCGAGGCCTCCTCCGCCGCTCGGCGTCTGCGGTCCGGCCACCGC
CTCTGCTTCTCAGCCTCTTCGGGCTCGCTGCCCCAGCAGCAGCGGCAGCACCAGCGACCTCATCCGCGCCTACCG
CGCGCAGAAGGAGCGACACTTCCAGGACCCCTACAACGGGCCTGGCTCGTCGCTGCGCAAACCTGCGCGCCATGTG
CCGCTGGACTACTGCGGCGGCAGCGGGGAGCCAGGCGGGGTCCAGCGCGCCTTCTCGGCCTCGTCCGCGTCGGG
CGCCGCGGGCTGTTGCTGCGCCTCCTCGGGCGCGGGCGCCGCCGCGTCTCTGTCCTCGTCTCCGGCTCTCCGCA
TCTCTACCGCAGCAGCAGCGAGCGGCGGCCCGCCACGCCGCGCGAGGTGCGCTACATCTCCCCCAAGCACCGCCT
CATCAAAGTGAGAGCGCCGCGGGCGGTGGGGCCGGGGACCCCCCTGGGGGGCGCCTGCGCGGGCGGGCCGACCTG
GAGCCCGACGGCCTGCGGAGGCAAGAACTGCTCAACAAGTGCGCCGCTCAGCCGCGGAGGAGAGCGGGGCCGG
CAAGAAGGACAAGGTGACCATAGCCGATGACTACTCAGATCCCTTTGATGCCAAGAATGATCTCAAGAGCAAAGC
AGGAAAGGGGGAGAGTGCTGGCTACATGGAGCCCTATGAGGCACAGAGGATCATGACAGAATTTTCAGAGGCAGGA
AAGTGTCCGGTCCCAGCATAAAGGTATCCAGTTATATGACACCCCTTACGAACCTGAAGGCCAAAGTGTGACTC
GGACTCGGAGAGCACAGTCAGCCCCGACTGCGGGAGAGCAAGCTGCCCCAGGATGACGACAGGCCCCGCGATGA
GTACGACCAGCCTTGGGAGTGGAACCGGGTCACCAGCCCAGCCCTGGCAGCACAGTTTAATGGCAACGAGAAGCG
GCAGTCATCCCCCTCACCTTCGCGGGACCGGCGGCGCCAGCTTCGTGCCCTGGAGGGGGCTTTAAGCCTATCAA
ACATGGGAGCCCTGAGTTCTGCGGGATCCTAGGAGAAAAGGTGGATCCTGCCGTCCCCCTGGAGAAGCAAATATG
GTATCACGGAGCCATCAGCAGAGGAGACGCCGAGAACCTGCTGCGACTCTGCAAGGAGTGTAGCTACCTTGTCCG
GAACAGCCAGACCAGCAAGCATGACTACCCCTCTCCCTGAGGAGCAACCAGGGTTTTATGCACATGAAACTGGC
CAAAACCAAAGAGAAATACGTTCTGGGTGAGAACAGCCCTCCGTTGACAGTGTCCCGGAAGTCATCCACTACTA
CACCACCAGAAAGCTACCCATCAAAGGGGCTGAGCACTTGTCCCTCCTCTATCCCGTGGCTGTGAGGACCCCTGTG
AGCGGACAGACCTGCCCTGCTCTGTGACAGAGCCTGGAGACTTGGAGGTGCCAGAGGCCCCCACCAACCAGCC
CCCAGCCACTGTTGCTGGCTGTGTGCTTTGTGTTGTGTGTATGGTACTAGCACACCACTGCATGTCTCTAGAATG
CTGTTGCCACTTACGGGGGCTGGAGGCCTGGATAAAGACAGAAGGGCGGCAACACC

1050/2825
FIGURE 926

MRRAGEGREIPSLGGARRREVLQAGRSQRAAGRRRRRQEELELGVGSGRPGGPPPGPGRRGTCAAALPPEWPRRRT
GLPRRGPRPPLAMAKWLNKYFSLGNSKTKSPPQPPRPDYREQRRRGERPSQPPQAVPQASSAASASCGPATASCF
SASSGSLPDDSGSTSDLIRAYRAQKERHFQDPYNGPGSSLRKLRLAMCRLDYCGGSGEPPGGVQRAFSASSASGAAG
CCCASSGAGAAASSSSSSSGSPHLYRSSERRPATPAEVRYISP KHRLLIKVESAAAGGGAGDPLGGACAGGRTWSPT
ACGGKKLLNKCAASAAEESGAGKKDKVTIADDYSDPFDKNDLKS KAGKESAGYMEPYEAQRIMTEFQRQESVR
SQHKGILQLYDTPYEPEGQSVDSDSESTVSPRLRESKLPQDDDRPADEYDQPWEWNRVTSPALAAQFNGNEKRQSS
PSPSRDRRRQLRAPGGGFKPIKHGSPEFCGILGERVDPAPVPLEKQIWIYHGAI SRGDAENLLRLCKECSYLVRNSQ
TSKH DYPLSLRSNQGFMHMKLAKTKEKYVLGQNSPPFDSVPEVIHYYTTRKLP IKGAEHL SLLYPVAVRTL

1051/2825
FIGURE 927

GAGTCCCGGCAGTGC GG GACTCCGGTAGCCGCCCCCTCCGGTAGCCGCCCCCTCCTCCCCCGCGCCGCCGCCCTAT
ATGTTGCCCGCCGCGGCCTCTGGGGCATGGAGCACGCTGCCAGCCCTGGCG**ATGG**CAACGGCGACGGGGGTGGC
GGAGGAGCGCCTGCTGGCCGCGCTCGCCTACCTGCAGTGCGCCGTGGGCTGCGCGGTCTTCGCGCGGAATCGTCA
GACGAACTCAGTGTACGGCCGCCACGCGCTGCCAGCCACAGGCTCCGAGTGCCGGCGCGGGCCGCCCTGGGTGGT
GCAGGAGCTGCCCTCGCTGGCCCTGCCGCTCTACCAGTACGCCAGCGAGTCCGCCCCGCGTCTCCGCAGCGCGCC
CAACTGCATCCTCCTGGCCATGTTCTCGTCCACTACGGGCATCGGTGCTTAATTTACCCGTTTTCTGATGCGAGG
AGGAAAGCCTATGCCACTGTTGGCATGTACAATGGCGATTATGTTCTGTACCTGTAACGGCTATTTGCAAAGCAG
ATACTTGAGCCATTGTGCAGTGTATGCTGATGACTGGGTAACAGATCCCCGTTTTCTAATAGGTTTTGGCTTGTG
GTTAACAGGCATGTTGATAAACATCCATTCAGATCATATCCTAAGGAATCTCAGAAAACCAGGAGATACTGGATA
CAAAATACCAAGGGGAGGCTTATTTGAATACGTAAGTGCAGCCAACATATTTTGGAGAAATCATGGAGTGGTGTGG
CTATGCCCTGGCCAGCTGGTCTGTCCAAGGCGCGGCTTTTGCTTTCTTCACGTTTTGTTTTTATCTGGTAGAGC
AAAAGAGCATCATGAGTGGTACCTCCGGAAATTTGAAGAGTATCCAAAGTTCAGAAAAATTATAATTCCATTTTT
GTTTT**TAA**GTGCGTTTTTTCATGAAATTATCTTCAACTTGAAGCTTTCCAATGGCGCTTCTCTATGGACTTTGTAAA
TAAGTTATATCTTTGTAATTTTCTGCTACTTTATCATTTTTCAAGATGTCCTCTAGGAATTTTTTTCTAGTAAT
TTTGCAATCTACCTAATAAGTACCTAAATACGCTGAAATGGAGGTTGAATATCCTACTGTGTAACAGGTCAGAAT
TTCAAGCTCTGGGTAATAACTGCTGATATTTTTTCTAATTTCAAATTTACCTCTTTTGGCTATGTCTTGCCAAGT
GTGTATGAGACTAGACTTTTACAACTGTCTTTGATGGCATTTTTCAGAACAATAAATGTCACAATCCCTTCTATAGC
CCCCTACAGTGATCTCTTCAAGGTCAACTGCAGTGTTGCTTCCCTCCCCCTATAGGGCTGGAATCTGTCTAGGAG
CCCTCTCTCGGAGGCCATAGAGGCTGGGGGTAGCCATTGTGCAGTCATGGCCGGGGGAAACTTGCCAACCTTCG
TGTCAGGTGCTGTGTATAAGTGGAGAACTTGGGGATAGAGGAGGAAGCTCCTCGTGGCCCTTCCAAGGTGAGGCA
AAGGCATCTGGACTTGTTCCAGCCCAGCCCACCGGGTGACATCACCGGGCAGGGAGGGGTGCTGGTGGTGGTTCA
TACGGAGTAAGCTGCTCTGCCTGTGTGAGTGGCTCCTGGGCCCTAAACAGGCACCTTTAGGCCATGGGGTCACTCA
CCGTGAGCCATCAATGTGCTCTGGTCTGACATGGTTTCTCTCTGTCTTCTAGTCTAGACCTAGTTTTTTTTGTTCT
GTTCCCCACGTATGGATATAGTAGAGATTGTTGTCTGTGAAATTTCTCTTTTGTAGATTTTGAGTTTTCCCTTGT
AGTGTAAGAATGATCACTTTCTGTAACAATAACAAGACCCTTTTTAAGATTTATCCTGTTTGTCTTTGTTGA
TTGAAACATAATAATTGTTAAATTTCTCTACAGCCTTCTTTTTCTTCCATAGCTAATCTTCTTCTAATAGTTTT
TGCTTTCTGTTTTGCTGTTGTTGCTTTGCAAAGCTTTCCCTCATAGCCTGTACCTGTTATCAATATAAAATAAT
CTTCTGTGTAATGCTTCATGACTTGAATTCTACTTTGATAAAAACATTGCCATACTGCTTTTTATCTTGATGAA
TTCATCTGGCATTGCTTTGCCTTATCATCTCATCTGGAGTTTTTAAATGCCATTTGTTTCAGTTGTCTTTAACAA
CATAATAAATAGACTTTGCCATTTAAAAAAAAAAAAAAAAAAAAAAAAA

1052/2825
FIGURE 928

MATATGVAEERLLAALAYLQCAVGCAVFARNRQTNSVYGRHALPSHRLRVPARAAWVVQELPSLALPLYQYASES
APRLRSAPNCILLAMFLVHYGHRCLIYPFLMRGGKPMPELLACTMAIMFCTCNGYLQSRYLSHCAVYADDWVTDPR
FLIGFGLWLTGMLINIHS DHILRNLRKPGDTGYKIPRGGLFEYVTAANYFGEIMEWCGYALASWSVQGAAFAFFT
FCFLSGRAKEHHEWYLRKFEEYPKFRKIIIPFLF

1053/2825
FIGURE 929A

TCATTGCAGCTGGGACAGCCCGGAGTGTGGTTAGCAGCTCGGCAAGCGCTGCCCAGGTCTTGGGGTGGTGGCAGC
CAGCGGGAGCAGGAAAGGAAGC**ATG**TTCCCAGGCTGCCCACGCCTCTGGGTCTTGGTGGTCTTGGGCACCAGCTG
GGTAGGCTGGGGGAGCCAAGGGACAGAAGCGGCACAGCTAAGGCAGTTCTACGTGGCTGCTCAGGGCATCAGTTG
GAGCTACCGACCTGAGCCCAAACTCAAGTTTGAATCTTTCTGTAACCTTCTTTAAGAAAATTGTCTACAGAGA
GTATGAACCATATTTTAAAGAAAGAAAAACCACAATCTACCATTTTCAGGACTTCTTGGGCCTACTTTATATGCTGA
AGTCGGAGACATCATAAAAGTTCACCTTTAAAAATAAGGCAGATAAGCCCTTGAGCATCCATCCTCAAGGAATTAG
GTACAGTAAATTATCAGAAGGTGCTTCTTACCTTGACCACACATTCCCTGCAGAGAAGATGGACGACGCTGTGGC
TCCAGGCCGAGAATACACCTATGAATGGAGTATCAGTGAGGACAGTGGACCCACCCATGATGACCCTCCATGCCT
CACACACATCTATTACTCCCATGAAAATCTGATCGAGGATTTCAACTCTGGGCTGATTGGGCCCTGCTTATCTG
TAAAAAAGGGACCCTAACTGAGGGTGGGACACAGAAGACGTTTGACAAGCAAATCGTGCTACTATTTGCTGTGTT
TGATGAAAGCAAGAGCTGGAGCCAGTCATCATCCCTAATGTACACAGTCAATGGATATGTGAATGGGACAATGCC
AGATATAACAGTTTGTGCCCATGACCACATCAGCTGGCATCTGCTGGGAATGAGCTCGGGGCCAGAATTATTCTC
CATTCAATTTCAACGGCCAGTCTGGAGCAGAACCATCATAAGGTCTCAGCCATCACCTTGTGAGTGCTACATC
CACTACCGCAAATATGACTGTGGGCCCAGAGGGAAAGTGGATCATATCTTCTCTCACCCCAAAACATTTGCAAGC
TGGGATGCAGGCTTACATTGACATTAAAACTGCCCAAAGAAAACCAGGAATCTTAAGAAAATAACTCGTGAGCA
GAGGCGGCACATGAAGAGGTGGGAATACTTCATTGCTGCAGAGGAAGTCATTGGGACTATGCACCTGTAATACC
AGCGAATATGGACAAAAAATACAGGTCTCAGCATTTGGATAATTTCTCAAACCAAATTGGAAAACATTATAAGAA
AGTTATGTACACACAGTACGAAGATGAGTCCTTCACCAAACATACAGTGAATCCCAATATGAAAGAAGATGGGAT
TTTGGGTCTTATTATCAGAGCCCAGGTCAGAGACACACTCAAATCGTGTTCAAAAATATGGCCAGCCGCCCTTA
TAGCATTTACCCTCATGGAGTGACCTTCTCGCCTTATGAAGATGAAGTCAACTCTTCTTTACCTCAGGCAGGAA
CAACACCATGATCAGAGCAGTTCACCAGGGGAAACCTATACTTATAAGTGGAACATCTTAGAGTTTGATGAACC
CACAGAAAATGATGCCCAGTGCTTAACAAGACCATACTACAGTGACGTGGACATCATGAGAGACATCGCCTCTGG
GCTAATAGGACTACTTCTAATCTGTAAGAGCAGATCCCTGGACAGGCGAGGAATACAGAGGGCAGCAGACATCGA
ACAGCAGGCTGTGTTTGTGTTTGTGATGAGAACAAAAGCTGGTACCTTGAGGACAACATCAACAAGTTTTGTGA
AAATCCTGATGAGGTGAAACGTGATGACCCCAAGTTTTATGAATCAAACATCATGAGCACTATCAATGGCTATGT
GCCTGAGAGCATAACTACTCTTGGATTCTGCTTTGATGACACTGTCCAGTGGCACTTCTGTAGTGTGGGGACCCA
GAATGAAATTTTGACCATCCACTTCACTGGGCACCTCATTCATCTATGGAAAGAGGCATGAGGACACCTTGACCT
CTTCCCCATGCGTGGAGAATCTGTGACGGTCACAATGGATAATGTTGGAACCTGGATGTTAACTTCCATGAATTC
TAGTCCAAGAAGCAAAAAGCTGAGGCTGAAATTCAGGGATGTTAAATGTATCCAGATGATGATGAAGACTCATA
TGAGATTTTGAACCTCCAGAATCTACAGTCATGGCTACACGGAAAATGCATGATCGTTTTAGAACCTGAAGATGA
AGAGAGTGATGCTGACTATGATTACCAGAACAGACTGGCTGCAGCATTAGGAATTAGGTCAATCCGAAACTCATC
ATTGAACCAGGAAGAAGAAGAGTTCAATCTTACTGCCCTAGCTCTGGAGAATGGCACTGAATTCGTTTCTTCGAA
CACAGATATAATTGTTGGTTCAAATTATTCTTCCCCAAGTAATATTAGTAAGTTCACTGTCAATAACCTTGCAGA
ACCTCAGAAAGCCCCTTCTCACCAACAAGCCACCACAGCTGGTTCCCCACTGAGACACCTCATTGGCAAGAACTC
AGTTCTCAATTCTTCCACAGCAGAGCATTCCAGCCCATATTCTGAAGACCCTATAGAGGATCCTCTACAGCCAGA
TGTCACAGGGATACGTCTACTTTCACCTTGGTGCTGGAGAATTCAGAAGTCAAGAACATGCTAAGCGTAAGGGACC
CAAGGTAGAAAGAGATCAAGCAGCAAAGCACAGGTTCTCCTGGATGAAATTACTAGCACATAAAGTTGGGAGACA
CCTAAGCCAAGACACTGGTTCTCCTTCCGGAATGAGGCCCTGGGAGGACCTTCTAGCCAAGACACTGGTTCTCC
TTCCAGAATGAGGCCCTGGGAGGACCCTCCTAGTGATCTGTTACTCTTAAACAAAGTAACCTCATCTAAGATTTT
GGTTGGGAGATGGCATTGCGCTTCTGAGAAAGGTAGCTATGAAATAATCCAAGATACTGATGAAGACACAGCTGT
TAACAATTGGCTGATCAGCCCCCAGAATGCCTCACGTGCTTGGGGAGAAAGCACCCCTCTTGCCAACAAGCCTGG
AAAGCAGAGTGGCCACCCAAAGTTTCTAGAGTTAGACATAAATCTCTACAAGTAAGACAGGATGGAGGAAAGAG
TAGACTGAAGAAAAGCCAGTTTCTCATTAAGACACGAAAAAAGAAAAAGAGAAGCACACACACCATGCTCCTTT
ATCTCCGAGGACCTTTCACCCTCTAAGAAGTGAAGCCTACAACACATTTTCAGAAAGAAGACTTAAGCATTCGTT
GGTGCTTCATAAATCCAATGAAACATCTCTTCCACAGACCTCAATCAGACATTGCCCTCTATGGATTTTGGCTG
GATAGCTCACTTCTTGACCATAATCAGAATTCCTCAAAATGACACTGGTCAGGCAAGCTGTCTCCAGGTCTTTA
TCAGACAGTGCCCCCAGAGGAACACTATCAAACATTCCCCATTCAAGACCCTGATCAAATGCACTCTACTTCAGA
CCCCAGTCACAGATCCTCTTCTCCAGAGCTCAGTGAAATGCTTGAGTATGACCGAAGTCACAAGTCTTCCCCAC

1054/2825
FIGURE 929B

AGATATAAGTCAAAATGTCCCCTTCCTCAGAACATGAAGTCTGGCAGACAGTCATCTCTCCAGACCTCAGCCAGGT
GACCCCTCTCTCCAGAACTCAGCCAGACAAACCTCTCTCCAGACCTCAGCCACACGACTCTCTCTCCAGAACTCAT
TCAGAGAAACCTTTTCCCCAGCCCTCGGTTCAGATGCCCATTTCTCCAGACCTCAGCCATACAACCCTTTCTCCAGA
CCTCAGCCATACAACCCTTTCTTTAGACCTCAGCCAGACAAACCTCTCTCCAGAACTCAGTCAGACAAACCTTTT
TCCAGCCCTCGGTTCAGATGCCCCTTTCTCCAGACCTCAGCCATACAACCATTTCTCTAGACTTCAGCCAGACAAA
CCTCTCTCCAGAACTCAGCCATATGACTCTCTCTCCAGAACTCAGTCAGACAAACCTTTTCCCCAGCCCTCGGTCA
GATGCCCATTTCTCCAGACCTCAGCCATACAACCCTTTCTCTAGACTTCAGCCAGACAAACCTCTCTCCAGAACT
CAGTCAAACAAACCTTTTCCCCAGCCCTCGGTTCAGATGCCCCTTTCTCCAGACCCAGCCATACAACCCTTTCTCT
AGACCTCAGCCAGACAAACCTCTCTCCAGAACTCAGTCAGACAAACCTTTTCCCCAGACCTCAGTGAGATGCCCCT
CTTTGCAGATCTCAGTCAAATTCCCCTTACCCAGACCTCGACCAGATGACACTTTCTCCAGACCTTGGTGAGAC
AGATCTTTTCCCCAACTTTGGTTCAGATGTCCCTTTTCCCCAGACCTCAGCCAGGTGACTCTCTCTCCAGACATCAG
TGACACCACCCTTCTCCCGATCTCAGCCAGATATCACTCCTCCAGACCTTGATCAGATATTCTACCCCTTCTGA
ATCTAGTCAGTCATTGCTTCTTCAAGAATTTAATGAGTCTTTTCTTATCCAGACCTTGGTTCAGATGCCATCTCC
TTCATCTCCTACTCTCAATGATACTTTTCTATCAAAGGAATTTAATCCACTGGTTATAGTGGGCCTCAGTAAAGA
TGGTACAGATTACATTGAGATCATTCCAAAGGAAGAGGTCCAGAGCAGTGAAGATGACTATGCTGAAATTGATTA
TGTGCCCTATGATGACCCCTACAAAACCTGATGTTAGGACAAACATCAACTCCTCCAGAGATCCTGACAACATTGC
AGCATGGTACCTCCGCAGCAACAATGGAACAGAAAGAAATTATTACATTGCTGCTGAAGAAATATCCTGGGATTA
TTCAGAATTTGTACAAAGGGAAACAGATATTGAAGACTCTGATGATATTCCAGAAGATACCACATATAAGAAAGT
AGTTTTTTCGAAAGTACCTCGACAGCACTTTTACCAAACGTGATCCTCGAGGGGAGTATGAAGAGCATCTCGGAAT
TCTTGGTCTATTATCAGAGCTGAAGTGGATGATGTTATCCAAGTTCGTTTTTAAAAATTTAGCATCCAGACCGTA
TTCTCTACATGCCCATGGACTTTCTATGAAAAATCATCAGAGGGAAAGACTTATGAAGATGACTCTCCTGAATG
GTTTTAAGGAAGATAATGCTGTTTCAGCCAAATAGCAGTTATACCTACGTATGGCATGCCACTGAGCGATCAGGGCC
AGAAAGTCTTGCTCTGCCTGTGCGGCTTGGGCCTACTACTCAGCTGTGAACCCAGAAAAAGATATTTACTCAGG
CTTGATAGGTCCCCTCCTAATCTGCCAAAAAGGAATACTACATAAGGACAGCAACATGCCTGTGGACATGAGAGA
ATTTGTCTTACTATTTATGACCTTTGATGAAAAGAAGAGCTGGTACTATGAAAAGAAGTCCCGAAGTTCTTGGAG
ACTCACATCCTCAGAAATGAAAAAATCCCATGAGTTTACGCCATTAATGGGATGATCTACAGCTTGCCTGGCCT
GAAAATGTATGAGCAAGAGTGGGTGAGGTTACACCTGCTGAACATAGGCGGCTCCCAAGACATTCACGTGGTTCA
CTTTACGGCCAGACCTTGCTGGAAAATGGCAATAAACAGCACCAGTTAGGGGTCTGGCCCTTCTGCCTGGTTT
ATTTAAACTCTTGAAATGAAGGCATCAAACCTGGCTGGTGGCTCCTAAACACAGAGGTTGGAGAAAACCAGAG
AGCAGGGATGCAACGCCATTTCTTATCATGGACAGAGACTGTAGGATGCCAATGGGACTAAGCACTGGTATCAT
ATCTGATTCACAGATCAAGGCTTCAGAGTTTCTGGGTTACTGGGAGCCAGATTAGCAAGATTAAACAATGGTGG
ATCTTATAATGCTTGGAGTGTAGAAAACTTGCAGCAGAATTTGCCTCTAAACCTTGGATCCAGGTGGACATGCA
AAAGGAAGTCATAATCACAGGGATCCAGACCCAAGGTGCCAAACACTACCTGAAGTCTGCTATACCACAGAGTT
CTATGTAGCTTACAGTTCCAACCAGATCAACTGGCAGATCTTCAAAGGGAACAGCACAAAGGAATGTGATGTATTT
TAATGGCAATTCAGATGCCTCTACAATAAAAGAGAATCAGTTTGACCCACCTATTGTGGCTAGATATATTAGGAT
CTCTCCAACCTCGAGCCTATAACAGACCTACCCCTTCGATTGGAAGTGCAGGTTGTGAGGTAAATGGATGTTCCAC
ACCCCTGGGTATGGAAAATGGAAAGATAGAAAACAAGCAAATCACAGCTTCTTCGTTTTAAGAAATCTTGGTGGGG
AGATTACTGGGAACCCCTTCCGTGCCCCTGTAATGCCAGGGACGTGTGAATGCCTGGCAAGCCAAGGCAAACAA
CAATAAGCAGTGGCTAGAAATTGATCTACTCAAGATCAAGAAGATAACGGCAATTATAACACAGGGCTGCAAGTC
TCTGTCTCTGAAATGFATGTAAAGAGCTATACCATCCACTACAGTGAGCAGGGAGTGAATGGAAACCATACAG
GCTGAAATCCTCCATGGTGGACAAGATTTTTGAAGGAAATACTAATACCAAAGGACATGTGAAGAACTTTTTCAA
CCCCCAATCATTTCCAGGTTTATCCGTGTCAATTCCTAAAAACATGGAATCAAAGTATTGCACTTCGCCTGGAAC
CTTTGGCTGTGATATTTACTAGAATTGAACATTCAAAAAACCCCTGGAAGAGACTCTTTAAGACCTCAAACCATTT
AGAATGGGCAATGTATTTTACGCTGTGTTAAATGTTAACAGTTTTCCACTATTTCTCTTTCTTTCTATTAGTGA
ATAAAATTTTATAC

1055/2825
FIGURE 930

MFPGCPRLWVLVVLGTSWVGWGSQGTEAAQLRQFYVAAQGISWSYRPEPTNSSLNLSVTSFKKIVYREYEPYFKK
EKPQSTISGLLGPTLYAEVGDIIKVHFKNKADKPLSIHPQGIRYSKLSEGASYLDHTFPAEKMDDAVAPGREYTY
EWSISEDSPGTHDDPPCLTHIYYSHENLIEDFNSSLIGPLLLICKKGTLTEGGTQKTFDKQIVLLFAVFDESKSWS
QSSSLMYTVNGYVNGTMDPDITVCAHDHISWHLLGMSSGPELFSIHFNQVLEQNHKKVSAITLVSATSTTANMTV
GPEGKWIISLTPKHLQAGMQAYIDIKNCPKKTNRNLKKITREQRRHMKRWEYFIAAEEVIWDYAPVIPANMDKKY
RSQHLDNFSNQIGKHYKKVMTQYEDESFTKHTVNPNMKEDGILGPIIRAQVRDTLKIVFKNMASRPYSIYPHGV
TFSPYEDENVSSFTSGRNNMIRAVQPGETYTYKWNILEFDEPTENDAQCCLTRPYYSVDVIMRDIASGLIGLLLI
CKSRSLDRRGIQRAADIEQQAVFAVF DENKSWYLEDNINKFCENPDEVKRDDPKFYESNIMSTINGYVPESITTL
GFCFDDTVQWHFCSVGTQNEILTIHFTGHSFIYGKRHEDTLTLFPMRGESVTVTMDNVGTWMLTSMNSSPSRKKL
RLKFRDVKCIPDDDEDSYEIFEPPESTVMATRKMHDRLEPEDEESDADYDYQNRLAAALGIRSFRNSSLNQEEEE
FNLTALALENGTEFVSSNTDIIVGSNYSSPSNISKFTVNNLAEPQKAPSHQQATTAGSPLRHLIGKNSVLNSSTA
EHSSPYSEDP IEDPLQPDVTGIRLLSLGAGEFRSQEHAKRKGPKVERDQAAKHRFSWMKLLAHKVGRHLSQDTGS
PSGMRPWEDLPSQDTGSPSRMRPWEDPPSDLLLLKQSNSSKILVGRWHLASEKGSYEIIQDTEDETAVERNWLISP
QNASRAWGESTPLANKPGKQSGHPKFPRVRHKSLOVRQDGGKSRLKKSQFLIKTRKKKKKEKHTHAPLSPRTFHP
LRSEAYNTFSERRLKHSLVLHKSNETSLPTDLNQTLP SMDFGWIASLPDHNQNSSNDTGQASCPPGLYQTVPPEE
HYQTFPIQDPDQMHSSTDPSHRSSSPELSEMLEYDRSHKSFPDTSQMSPSSEHEVWQTVISPDLSQVTLSPELS
QTNLSPDLSHTTTLSPELIQRNLSPALGQMPISPDLSTTLSPDLSHTTTLSDLSQTNLSPELSQTNLSPALGQMP
LSPDLSHTTTLSDFSQTNLSPELSHMTLSPELSQTNLSPALGQMPISPDLSTTLSDFSQTNLSPELSQTNLSP
ALGQMP LSPDPSHTTTLSDLSQTNLSPELSQTNLSPDLSEMP LFADLSQIPLTPDLQMTLSPDLGETDLSPNFG
QMSLSPDLSQVTLSPDISDTTLLPDLSQISPPPDLDQIFYPSESSQSLLLQEFNESFPYPDLGQMPSPSSPTLND
TFLSKEFNPLVIVGLSKDGTDYIEIIPKEEVQSSSEDDYAEIDYVPYDDPYKTDVRTNINSSRDPDNIAAWYLRN
NGNRRNYIAAEEISWDYSEFVQRETDIEDSDDIPEDTTYKKVFRKYLDSTFTKRDRPGEYEEHLGILGPIIRA
EVDDVIQVRFKNLASRPYSLHAHGLSYEKSSEGKTYEDDSPWFKEDNAVQPNSSYTYVWHATERSGPESPGSAC
RAWAYYSAVNPEKDIHSGLIGPLLICQKGILHKDSNMPVDMREFVLLFMTFDEKKSWYEEKSRSSWRLTSSEMK
KSHEFHAINGMIYSLPGLKMYEQEWVRLHLLNIGGSQDIHVVFHFGQTLLENGKQHQGLGVWPLLP GSFKTLEMK
ASKPGWWLLNTEVGENQRAGMQTPFLIMDRDCRMPMGLSTGIISDSQIKASEFLGYWEPRLARLNNGGSYNAWSV
EKLAAEFASKPWIQVDMQKEVIITGIQTQGAKHYLKSCYTTEFYVAYSSN

1056/2825
FIGURE 931

GGCACGAGGCCAAGAGCTACGCGGCGGCGGCGGAGCGCAGGCCTCGTGCCGTTACGGCCATCACGGCGGCCGCAG
TGGCGTCTCTGGAGCCCTCCTCAGTGCTGAAGCTGCTGAAAAGATGGCAGAGAAGTGGTGGTAGTAGCCAAATTTG
ATTATGTGGCCCAACAAGAACAAGAGTTGGACATCAAGAAGAATGAGAGATTATGGCTTCTGGATGATTCTAAGT
CCTGGTGGCGAGTTCGAAATTCATGAATAAAACAGGTTTTGTGCCTTCTAACTATGTGGAAAGGAAAAACAGTG
CTCGGAAAGCATCTATTGTGAAAAACCTAAAGGATACCTTAGGCATTGGAAAAGTGAAAAGAAAAACCTAGTGTGC
CAGATTCTGCATCTCCTGCTGATGATAGTTTTGTGTGACCCAGGGGAACGTCTCTATGACCTCAACATGCCCCGCTT
ATGTGAAATTTAACTACATGGCTGAGAGAGAGGATGAATTATCATTGATAAAGGGGACAAAGGTGATCGTCATGG
AGAAATGCAGTGATGGGTGGTGGCGTGGTAGCTACAATGGACAAGTTGGATGGTTCCCTTCAAACATATGTAAGT
AAGAAGGTGACAGTCCTTTGGGTGACCATGTGGGTTCTCTGTCAGAGAAATTAGCAGCAGTCGTCAATAACCTAA
ATACTGGGCAAGTGTTGCATGTGGTACAGGCTCTTTACCCATTGAGCTCATCTAATGATGAAGAAGTTAATTTTCG
AGAAAGGAGATGTAATGGATGTTATTGAAAAACCTGAAAATGACCCAGAGTGGTGGAAATGCAGGAAGATCAATG
GTATGGTTGGTCTAGTACCAAAAAACTATGTTACCGTTATGCAGAATAATCCATTAACCTCAGGTTTGGAACCAT
CACCTCCACAGTGTGATTACATTAGGCCTTCACTCACTGGAAAGTTTGCTGGCAATCCTTGGTATTATGGCAAAG
TCACCAGGCATCAAGCAGAAATGGCATTAAATGAAAGAGGACATGAAGGGGATTTCTCATTTCGTGATAGTGAAT
CTTCGCCAAATGATTTCTCAGTATCACTAAAAGCACAAAGGGAAAAACAAGCATTTTAAAGTCCAACATAAAGAGA
CTGTCTACTGCATTGGGCAGCGTAAATTCAGCACCATGGAAGAAGTTGTAGAACATTACAAAAAGGCACCAATTT
TTACAAGTGAACAAGGAGAAAAATTATATCTTGTCAAGCATTTATCATGATACTGCTGACCAGAAGTACTGCTG
TGTAGCTGTAATTTGTCATGTAATTGAAGACTGAGAAAATGTTGGGTCCAGTCGTGCTTGATTGGAAATTGTTGT
TTCTAAATCTATATGAGAATTGACAATAAGTATTTTTATTATAACTCAGCCCATACATATATACTATGTATGCAG
TGCATCTGCATAGAACAGTTCCTTATCCTTGGCCTTCTGTTTTATTGTTTTTTCTTTGCTGTTTTCCCTTTGCT
TCTAATATTACAGTTTTGTATTTTGTAACAAAAATCAAATAATGCATATCAGAATCTTTATATGGAAGAAATCC
TTTATTGCCTTTTCCTTTGTTTCCTTGTAAGGCACCCGTCTGTTATGGTTTTTTCATTATATAAAATTATTATA
TCTATATATGACATATGCTAAATTTCTTGGAGAGTGTTAATCTTTTCTGTGACTAAATAGCAATAATAAGTGGA
AAATTAGAAATTATTTCCAGGTATTATATTTGTCACAGGCCATTGTAAATACCAAGTATATTGTGTCTGCCATAA
TTTTTAAAAATACATTCATTGTCTTCAGTCATACAGCAAGACACATGAGACATAGATTAGAAAACATGTTGTACA
ATTTTAATTTACAACGTTGGAAATAAAAAATCACTTAATTTTTTTTCCAAAAAAAAAAAAAAAAAAAAAAAAA

1057/2825^f
FIGURE 932

MAEEVVVAKFDYVAQQEQELD IKKNERLWLLDDSKSWVRVNSMNKTGFVPSNYVERKNSARKASIVKNLKD TL
GIGKVKRKPSVPDSASPADDSFVDPGERLYDLNMPAYVKFN YMAEREDEL SLIKGTKVIVMEKCS DGWWRGSYNG
QVGWFPSNYVTEEGDSPLGDHVGSLSEKLA AVVNNLNTGQVLHV VQALYPFSSSNDEELNFEKGDVMDVIEKPEN
DPEWWKCRKINGMVGLVPKNYVTVMQNNPLTSGLEPSP PQCDYIRPSLTGKFAGNPWYYGKVTRHQAEMALNERG
HEGDFLIRDSESSPNDFSVSLKAQGKNKHFKVQLKETVY CIGQRKFSTMEELVEHYKKAPIFTSEQGEKLYLVKH
LS

1058/2825
FIGURE 933A

CGGGCAGCGTGGACCCCGGATGAGTTGCTTTTAGGCTTGCTGGCCCCGCGGGGCTGTCCAGGCACGCGAGGCCCCCT
CAGGTACGCCCTCTCTTCCCTGCAGGATCCGGCCCTCAAAGACGAGGGTCACGCACGCGTTACAACCCCGAAACA
GTAGCACAAGATTTAATTTTTAAAGAGCGTGTTTCTTCGGGGCTTGCCGTTTCGTTTCGTTTCCAGCCTCAGGAAT
TTATGGTCGCCTTTTTGAATGAGCAACAAAATGCTTCAACAAGTTCAGAAAACATAAATTTTCTGCTGAAGAA
GAGAAAATCTTGGAGTTTTGGACTGAATTTAATTGTTTTTCAGGAATGCTTAAAGCAATCAAAACATAAACAAAA
TTTACCTTCTATGATGGTCCTCCTTTTTGCAACTGGACTGCCTCACTATGGACATATACTTGCGGGTACAATTA
GATATAGTTACAAGATATGCTCACCAGAGTGGGTTTCATGTTGACAGAAGATTTGGATGGGATTGCCATGGCTTA
CCTGTGGAATATGAAATTGATAAGACACTGGGAATCAGAGGACCAGAGGATGTGGCCAAAATGGGGATTACAGAG
TATAACAATCAGTGCCGAGCAATTGTGATGAGATATTCTGCTGAGTGGAAGTCTACTGTTAGCAGACTTGGCCGA
TGGATTGACTTTGACAATGACTATAAACTCTGTATCCACAATTCATGGAATCAGTCTGGTGGGTCTTCAAACAA
CTCTATGATAAAGCCTTGTTTATAGAGGTGTGAAAGTCATGCCCTTCTCTACGGCATGTAACACTCCACTTTCC
AACTTCGAGTCACACCAGAATTATAAGGATGTTCAAGATCCTTCAGTATTTGTAACCTTCCCTTTGGAAGAAGAT
GAACTGTATCTTTAGTTGCTTGGACAACCACTCCCTGGACTCTACCTAGTAACCTTGCTGTGTGTGTTAATCCA
GAAATGCAATATGTGAAAATTAAAGATGTTGCCAGAGGACGATTACTCATTTTTAATGGAAGCCAGATTGTCAGCC
CTCTATAAATTGGAGAGTGAATGAGATCCTTGAAAGATTTCCCTGGTGCCTATCTTAAAGGCAAGAAGTACAGG
CCCCGTGTTGACTATTTCTGAAGTGTAAGAGAATGGCGCTTTCCTGTGCTTGTGACAACATATGTGAAGGAA
GAAGAAGGCACAGGGGTTGTCCACCAAGCTCCTTACTTCGGTGCTGAGGACTATCGGGTCTGTATGGACTTTAAC
ATTATTCGGAAGACTCACTCCCTGTTTGCCCTGTGGATGCTTCAGGCTGCTTCACAACGGAGGTGACAGATTTT
GCAGGACAGTATGTGAAGGATGCTGACAAAAGTATCATCAGGACTTTGAAGGAACAAGGCCGACTTCTGGTTGCC
ACCACCTTCACTCACAGCTACCCTTTTTGCTGGAGATCAGACACTCCTCTAATTTACAAAGCAGTGCCAGCTGG
TTTGTGCGAGTGGAGAACATGGTGGACCAGCTCCTAAGGAACAATGACCTGTGCTACTGGGTCCAGAGTTGGTA
CGAGAAAAACGATTTGGAAATTGGCTGAAAGATGCACGTGACTGGACAATTTCCAGAAACAGATACTGGGGCACC
CCCATCCCACTGTGGGTGAGCGATGACTTTGAGGAGGTGGTATGCATTGGGTGAGTGGCGGAACCTGAAGAAGT
TCAGGAGCAAAGATCTCAGATCTCCACAGAGAGAGTGTGACCACCTGACCATTCCCTTCAGCTGTGGGAAGGGA
TCCTTGCAACGCATCTCTGAAGTGTTTGACTGTTGGTTTGAGAGTGGCAGCATGCCCTATGCTCAGGTTTCATTAC
CCGTTTGAAAACAAGAGGGAGTTTGAGGATGCTTTTCTGAGATTTTATTGCCGAGGGCATCGACCAAAACCAGA
GGATGGTTTTTATACCCTGCTGGTGCTGGCCACGGCCCTCTTTGGACAACCGCCTTTCAAGAACGTAATTGTGAAT
GGCCTTGCTTGGCAAGTGATGGCCAAAAAATGAGCAAACGGAAGAAATTATCCAGATCCAGTTTCCATCATC
CAGAAGTATGGTGCTGATGCCCTCAGATTATATCTGATTAACTCCCCTGTGGTGAGAGCAGAAAACCTCCGCTTT
AAAGAAGAGGGTGTGCGGGACGTCCTTAAGGATGTACTGCTCCCATGGTACAATGCCTATCGCTTCTTAATCCAG
AACGTTCTGAGGCTCCAGAAGGAGGAAGAAATAGAATTTCTCTACAATGAGAACACGGTTAGAGAAAGCCCCAAC
ATTACAGACCGGTGGATCCTGTCTTTCATGCAGTCTCTCATTGGCTTCTTTGAGACTGAAATGGCAGCTTATAGG
CTTTATACTGTGGTGCTCGCCTGGTCAAGTTTGTAGATATTCTGACCAATTGGTATGTTAGAATGAACCGCAGA
AGATTAAAGGTGAAAATGGGATGGAGGATTGTGTCATGGCCCTAGAAACCTTGTTTAGTGTTCTGCTTTCTCTT
TGCAGACTTATAGCTCCCTACACACCTTTTCTCACTGAATTGATGTACCAGAATCTAAAGGTGCTGATTGACCT
GTTTCTGTTTCAGGACAAGGACACACTCAGCATTCACTACCTCATGCTGCCCCGTGTTTCGAGAAGAATTGATTGAC
AAGAAAACAGAGAGTGCAGTATCTCAGATGCAGTCTGTGATTGAACCTTGAAGAGTGATCAGAGACCGAAAACT
ATTCCCATAAAGTATCCTTTGAAAGAAATTGTGGTTATCCATCAAGATCCAGAAGCTCTTAAAGATATCAAGTCT
TTGGAGAAGTATATCATTGAGGAACCTCAATGTTTCGAAAAGTTACTGTCTACAGATAAAAAACAAGTATGGCATT
CGGCTAAGGGCAGAACCAGATCACATGGTCTCGGGGAAGCGTCTGAAGGGAGCCTTTAAGGCAGTGATGACGTCC
ATCAAGCAGTTGAGCAGTGAGGAGCTGGAGCAGTTCCAGAAGACTGGGACCATTGTTGTGGAAGGCCATGAATTG
CACGATGAAGACATCCGCCTCATGTACACCTTTGATCAGGCCACAGGTGGGACTGCGCAATTTGAAGCACACTCA
GATGCTCAGGCTTTGGTCTCTTAGATGTCACTCCTGACCAGTCAATGGTAGATGAAGGAATGGCTCGGGGAAGTC
ATCAATCGCATACAGAACTTCGCAAAAAGTGCAATCTGGTTCCAACCTGATGAAATCACAGTGTACTATAAAGCA
AAGTCTGAAGGAACATATCTGAATAGTGTTATTGAAAAGCCACACAGAGTTTCAATTTTACCACCATAAAGGCTCCC
TTGAAACCATATCCAGTTTCTCCATCGGATAAAGTCCCTTATTCAAGAAAAACACAGTTGAAGGGATCTGAACTG
GAAATTACACTCACAGAGGATCTTCCCTTCCCTGGTCTGCTTGTGTCATATGTCAATCTTAACATTTGTGCAAAAT
GGCAGTGAACAAGGTGGAGTATTGCTCCTGGAAAATCCAAAAGGTGACAATAGGTTGGACCTTTTAAAGCTGAAG

1059/2825
FIGURE 933B

AGTGTGTGCTACTAGCATT TTTTGGTGTGAAAAATACAGAGCTGGCTGTCTTCCATGATGAAACAGAAATACAAAAC
CAAAC T GACTTACTGAGTCTTAGTGGA AAAACACTTTGTGTGACTGCAGGATCGGCTCCCTCTCTGATCAACAGT
TCTAGTACTCTTCTTTGT CAGTATATCAACCTACAGCTCCTGAATGCAAAGCCACAAGAGTGTTTAATGGGGACA
GTGGGCACTCTCCTGCTTGAAAACCCACTTGGGCAGAAATGGACTCACCCACCAAGGTCTTCTGTATGAAGCAGCC
AAGGTGTTTGGCCTTCGGAGCAGGAAGCTAAAGCTGTTTCTGAATGAGACCCAAACGCAGGAAATTACAGAAGAC
ATCCCCGTGAAGACTTTGAATATGAAGACTGTGTATGTTTCTGTGTTACCAACAACAGCAGACTTCTAGCATGTA
CTTATCAATGTTGTTTCGGTCAGCCCTTCCCTAATTACACCTATCCCCCTACACATACATGCACATAGACACACACA
TGAACACACTGAAGATATTTTCCTTCAGGTGTGTGTAAAAATATGCTGCTTGGATTGAAATTCAAATGGGATTGATT
AGTCAAGTAACTTGAGACCTCACAGTAATCTTCACACTTAACCTTAGACACCTATGCAGTCATGTTGGGAGCAGG
TTACAATGTTACTTCAGCCACAGTTTATTTCTATTCTTGAGTTCTTAAGTACAGAAGATAGAAGTGATT TAAAT
GGCATAGTATATATATCATT TTTCTGGCCTTTTAAAATTTATTTGAGACCTCTTGATGAAATGGACATATTATATA
TTTCTGCCACCTGGATTTTCCTGGATAATTTGATGGAATATTTTAAGTTTCAGTAAATCAGAACAATAAACAAAC
TCAGATAT

1060/2825
FIGURE 934

MLQQVPENINFPAAAAEKILEFWTEFNCFQECLKQSKHKPKFTFYDGPPFATGLPHYGHILAGTIKDIVTRYAHQS
GFHVDRRFGWDCHGLPVEYEIDKTLGIRGPEDVAKMGITEYNNQCRAIVMRYSAEWKSTVSRLGRWIDFDNDYKT
LYPQFMESVWWVFKQLYDKGLVYRGVKVMPFSTACNTPLSNFESHQNYKDVQDPSVFTFPLEEDETIVSLVAWTT
TPWTLPSNLAVCVNPEMQYVKIKDVARGRLILMEARLSALYKLESDYEILERFPGAYLKGKKYRPLFDYFLKCK
ENGAFITVLVDNYVKEEEGTGVVHQAPYFGAEDYRVCMDFNIRKDSLPVCPVDASGCFTTEVTDFAGQYVKDADK
SIIRTLKEQGRLLVATTFTHSYFPCWRSDTPLIYKAVPSWFVRVENMVDQLLRNNDLCYWPELVREKRFGNWLK
DARDWTISRNYWGTPILWVSDDFEEVVCIGSVAELEELSGAKISDLHRESVDHLTIPSRGKGSLSHRISEVFD
CWFESGSMPIYAQVHYPPFENKREFEDAFPADFAEGIDQTRGWFTYLLVLATALFGQPPFKNVIVNGLVLASDGQK
MSKRKKNYPDPVSTIQKYGADALRLYLINSPVVAENLRFKEEGVRDVLKDVLLPWYNAYRFLIQNVLRRLQKEEE
IEFLYNENTVRESPNITDRWILSFMQSLIGFFETEMAAYRLYTVPRLVKFVDILTNNWYVRMNRRLKGENGMED
CVMALETLSVLLSLCRLIAPYTPFLTELMYQNLKVLIDPVSVDKDTLSIHVLMPLRVREELIDKKTESAVSQM
QSVIELGRVIRDRKTIPIKYPLKEIVVIHQDPEALKDICKSLEKYIEELNVRKVTLSLTDKNKYGIRLRAEPDHMV
LGKRLKGAFKAVMTSIKQLSSEEELEQFQKTGTIVVEGHELHDEDIRLMYTFDQATGGTAQFEAHSDAQALVLLDV
TPDQSMVDEGMAREVINRIQKLKKNLVPDTDEITVYYKAKSEGTYLNSVIESHTEFIFTTIKAPLKPYVPVSPSD
KVLIQEKTQLKGSELEITLTRGSSLPGPACAYVNLNICANGSEQGGVLLLENPKGDNRLDLLKLKSVVTSIFGVK
NTELAVFHDETEIQNQTDLLSLSGKTLCVTAGSAPSLINSSSTLLCQYINLQLLNAKPQECLMGTVGTLLLENPL
GQNGLTHQGLLYEAAKFGLRSRKLKFLNETQTQEITEDIPVKTLNMKTVYVSVLPPTADF

[illegible]

1062/2825
FIGURE 936

MSSSCSGLSRVLVAVATALVSASSPCPQAWGPPGVQYQPGRSVKLCCPGVTAGDPVSWFRDGEPKLLQGPDSGL
GHELVLAQADSTDEGTYICQTLDGALGGTVTLQLGYPPARPVVSCQAADYENFSCWSPSQISGLPTRYLTSYRK
KTVLGADSQRRSPSTGPWPCPDPLGAARCVVHGAEFWSQYRINVTEVNPLGASTRLLDVSLQSILRPDPPQGLR
VESVPGYPRRLRASWTYPASWPCQPHFLLKFRLQYRPAQHPAWSTVEPAGLEEVITDAVAGLPHAVRVSARDFLD
AGTWSTWSPEAWGTPSTGTIPKEIPAWGQLHTQPEVEPQVDSEAPPRPSLQPHPRLLDHRDSVEQVAVLASLGIL
SFLGLVAGALALGLWLRLRRGGKDGSPKPGFLASVIPVDRRPGAPNL

1063/2825
FIGURE 937

AGTTGCAGTGGAAAGAAATGTGTCATCTGTGGTTTGGTTTTTAAAAGTGGAAACTAGCTGCACATATCCTTTTT
TACTGCAGATTTACTTTAAGGCTCATATTCTCCAAGTCTATTCTGCTTTAAAAAGAAGACAAGAAAAGAAGTGGT
TTATCAAAATCACGTTATAATCAGATTTTGACCAAGCATTTTGTAAGATTGCCAAGTATGCCCACGGAC**ATGGAA**
CACACAGGACATTACCTACATCTTGCCTTTCTGATGACAACAGTTTTTTCTTTGTCTCCTGGAACAAAAGCAAAC
TATACCCGTCGTGGGCTAACAGTACTTCTTCTGGGATTTCAGTTATTCAAACAAGACAGGCAGAAAACCAAAAT
GAAAACATTAACACAAACCCTATAACTCCTGAAGTAGATTATAAAGGTAATTCTACAAACATGCCTGAAAACATCT
CACATCGTAGCTTTAACTTCTAAATCTGAACAGGAGCTTTATATACCTTCTGTCTGTCAGCAACAGTCCTTCAACA
GTACAGAGCATTGAAAACACAAGCAAAGTCATGGTGAAATTTTCAAAAAGGATGTCTGTGCGGAAAAACAACAAC
AACATGGCTATGCTAATTTGCTTAATTATAATTGCAGTGCTTTTTCTTATCTGTACCTTTCTATTTCTATCAACT
GTGGTTTTGGCAAACAAAGTCTCTTCTCTCAGACGATCAAAACAAGTAGGCAAGCGTCAGCCTAGAAGCAATGGC
GATTTTCTGGCAAGCGGTCTATGGCCCCTGAATCAGACACTTGGAAGAACAACAGCTCACAGGACCCAAAC
CTAGTGATGCAATCTACTGGAGTGCTCACAGCTACAAGGGAAAGAAAAGATGAAGAAGGAAGTGAAGAACTTACT
AACAAACAGATAGGT**TAGT**GAAGAAAAATGCAAAGTAGCAATGAGAAGGCTTATGGAGTAAAAATGAAGTCAGTT
GGTATTTAATCCCAAAGTGTGTTCTGATTATCTAAAATTTGACATGGTAGACCTTGCAATTTAGAATCAAGCAG
GTGAGACAGGGAGAAGTATGCCTGCTTAATTATTTAAACTGTGTACTTTTGTTTTGACACTGAATATTTTAAAAA
GCAAATAATAAAATAACTAAGCATTTGAGGAAAATTTAAGGATAAATTGAGGAACTGATTAATAGAGATAGCA
AGGGATAATTAAATAAATATTCCTATGTAGCAACAGTGGTTAGATGATCTTTGTCTGAATGTAATAAACTTTG
AATAGTTTTAGTGTGTCCTTAAAGCCAAGTATATGCTTTAACATCAAATGGAAGTCAAATTCCTAATGCATAGAT
AGAGAGAGCTAACTGTGTAATTTAATGGTATCTTCTTGCTGGATGTGGCAGAATCCACACCAGCTTATCAACC
AACACAGCTAATTTTAGAATAGGTCTCTTTATCTTCCATATGGCACACGTAAGAAAGTGTCTTTCTACTATTAAT
ATTAAATTAAACCTTTACTTTTGTATAATAAATTAAAACTCAGAATAAACCTGTGACCACGT

1064/2825
FIGURE 938

MEHTGHYLHLAFLMTTVFSLSPGTKANYTRLWANSTSSWDSVIQNKTGRNQENININTNPITPEVDYKGNSTNMPE
TSHIVALTSKSEQELYIPSVVSNPSTVQSIENSTKSHGEIFKKDVCAENNNNMAMLICLIIIAVLFLICTFLFL
STVVLANKVSSLRRSKQVGKRQPRSNNGDFLASGLWPAESDTWKRTKQLTGPNLVMQSTGVLTATREKDEEGTEK
LTNKQIG

1065/2825
FIGURE 939

GGTAGCAGGAGGCTGGAAGAAAGGACAGAAGTAGCTCTGGCTGTG**ATG**GGGATCTTACTGGGCCTGCTACTCCTG
GGGCACCTAACAGTGGACACTTATGGCCGTCCCATCCTGGAAGTGCCAGAGAGTGTAACAGGACCTTGGAAGGG
GATGTGAATCTTCCCTGCACCTATGACCCCTGCAAGGCTACACCCAAGTCTTGGTGAAGTGGCTGGTACAACGT
GGCTCAGACCCTGTCAACATCTTTCTACGTGACTCTTCTGGAGACCATATCCAGCAGGCAAAGTACCAGGGCCGC
CTGCATGTGAGCCACAAGGTTCCAGGAGATGTATCCCTCCAATTGAGCACCCCTGGAGATGGATGACCGGAGCCAC
TACACGTGTGAAGTCACCTGGCAGACTCCTGATGGCAACCAAGTCGTGAGAGATAAGATTACTGAGCTCCGTGTC
CAGAAACTCTCTGTCTCCAAGCCCACAGTGACAACCTGGCAGCGGTTATGGCTTCACGGTGCCCCAGGGAATGAGG
ATTAGCCTTCAATGCCAGGCTCGGGGTTCTCCTCCCATCAGTTATATTTGGTATAAGCAACAGACTAATAACCAG
GAACCCATCAAAGTAGCAACCTAAGTACCTTACTCTTCAAGCCTGCGGTGATAGCCGACTCAGGCTCCTATTTT
TGCACTGCCAAGGGCCAGGTTGGCTCTGAGCAGCACAGCGACATTGTGAAGTTTGTGGTCAAAGACTCCTCAAAG
CTACTCAAGACCAAGACTGAGGCACCTACAACCATGACATACCCCTTGAAAGCAACATCTACAGTGAAGCAGTCC
TGGGACTGGACCACTGACATGGATGGCTACCTTGGAGAGACCAGTGCTGGGCCAGGAAAGAGCCTGCCTGTCTTT
GCCATCATCCTCATCATCTCCTTGTGCTGTATGGTGGTTTTTACCATGGCCTATATCATGCTCTGTGCGAAGACA
TCCCAACAAGAGCATGTCTACGAAGCAGCCAGGGCACATGCCAGAGAGGCCAACGACTCTGGAGAAACCATGAGG
GTGGCCATCTTCGCAAGTGGCTGCTCCAGTGATGAGCCAACCTCCAGAATCTGGGCAACAACACTACTCTGATGAG
CCCTGCATAGGACAGGAGTACCAGATCATCGCCAGATCAATGGCAACTACGCGCGCTGCTGGACACAGTTCCT
CTGGATTATGAGTTTCTGGCCACTGAGGGCAAAAGTGTCTGT**TAAAA**ATGCCCCATTAGGCCAGGATCTGCTGAC
ATAATTGCCTAGTCAGTCCTTGCCTTCTGCAATGGCCTTCTTCCCTGCTACCTCTCTTCTGGATAGCCCAAAGTG
TCCGCCTACCAACACTGGAGCCGCTGGGAGTCACTGGCTTTGCCCTGGAATTTGCCAGATGCATCTCAAGTAAGC
CAGCTGCTGGATTTGGCTCTGGGCCCTTCTAGTATCTCTGCCGGGGGCTTCTGGTACTCCTCTCTAAATACCAGA
GGGAAGATGCCCATAGCACTAGGACTTGGTCATCATGCCTACAGACACTATTCAACTTTGGCATCTTGCCACCAG
AAGACCCGAGGGAGGCTCAGCTCTGCCAGCTCAGAGGACCAGCTATAATCCAGGATCATTTCTCTTTCTTCAGGGC
CAGACAGCTTTTAAATTGAAATTGTTATTTACAGGCCAGGGTTCAGTTCTGCTCCTCCACTATAAGTCTAATGTT
CTGACTCTCTCCTGGTGCTCAATAAATATCTAATCATAACAGCAAAAAAAAAAAAAAAAAAAAAA

1066/2825
FIGURE 940

MGILLGLLLLGHLLTVDTYGRPILEVPESVTGPWKGDVNLPCYDPLQGYTQVLVKWLVQRGSDPVTIFLRDSSGD
HIQQAKYQGRLHVSHKVPGDVSLQLSTLEMDDRSHYTCEVTWQTPDGNQVVRDKITELRVQKLSVSKPTVTTGSG
YGFTVPQGMRIQLQCQARGSPPISYIWKQQTNNQEPKIVATLSTLLFKPAVIADSGSYFCTAKQVGSEQHSDI
VKFVVKDSSKLLKTKTEAPTTMTYPLKATSTVKQSWDWTDDMDGYLGSETSAGPGKSLPVFAIILIIISLCCMVVFT
MAYIMLCRKTSQQEHVYEAARAHAREANDSGETMRVAIFASGCSSDEPTSQNLGNYSDEPCIGQEYQIIAQING
NYARLLDTVPLDYEFLLATEGKSVC

1067/2825
FIGURE 941

AAAAACAGCTAAGCCAGGCGCGCAAGGAGTTGGAGACCCTGCGGGAGCGCTTCAGCGAATCGACCGCCATGGGCGC
CTCCAGGCGTCCCCCAGAGCCTGAGAAAGCGCCTCCCGCTGCCCCGACGCGGCCCTCGGCCCTGGAGCTGAAGGT
GGAGGAGCTGGAGGAGAAGGGTTAATCCGTATTCTGCGGGGGCCGGGGGATGCTGTCTCCATCGAGATCCTCCC
CGTCGCTGTGGCAACTCCGAGCGGCGGTGATGCTCCGACTCCGGGGGTGCCGACCGGCTCCCCCAGCCCAGATCT
CGCACCTGCAGCAGAGCCGGCTCCCGGAGCAGCGCCACCGCCGCCGCCCCCACTGCCCGGCCCTCCCCCTCCCCGCA
GGAAGCCCCGCCCTCTGCGCCCCCACAGGCCCGCCTCTCCCTGGCAGCCCGGAGCCCCCGCCTGCGCCGCCGCT
GCCCCGAGACCTGCGGCCCCCAACCCCGCCACCGCCACCACCTCCGGGCACTGACGGGCCCGGTGCCCTCCGCCGCC
GCCGCCGCCGCCGCCGCTCCCGGAGGTCTCTCTGATGCCCTAGGAAGACGCGACTCAGAATTGGGCCCAGGAGT
GAAGGCCAAGAAGCCCATCCAGACTAAGTTCCGAATGCCCACTCTTGAAGTGGGTGGCACTGAAACCCAGCCAGAT
CACCGGCACTGTCTTCACAGAGCTCAATGATGAGAAGGTGCTGCAGGAGCTAGACATGAGTGATTTTGAGGAACA
GTTCAAGACCAAGTCCCAAGGCCCCAGCCTGGACCTCAGCGCTCTCAAGAGTAAGGCAGCCCAGAAGGCCCCAG
CAAGGCGACACTCATTGAGGCCAACCGGGCCAAGAACTTGGCCATCACCTGCGGAAGGGCAACCTGGGGGCCGA
GCGCATCTGCCAAGCCATTGAGGCGTACGACCTGCAGGCTCTGGGCCTGGACTTCTGGAGCTGCTGATGCGCTT
CCTGCCACAGAGTATGAGCGCAGCCTCATCACCCGCTTTGAGCGGGAGCAGCGGCCAATGGAGGAGCTGTCAGA
GGAGGACCGCTTCATGCTATGCTTCAGCCGCATCCCGCGCTGCCGGAGCGCATGACCACACTCACCTTCCTGGG
CAACTTCCCGGACACAGCCCAGCTGCTCATGCCGCAACTGAATGCCATCATTGCAGCCTCAATGTCCATCAAGTC
CTCTGACAACTCCGCCAGATCCTGGAGATTGTCTGGCCTTTGGCAACTACATGAACAGTAGCAAGCGTGGGGC
AGCCTATGGCTTCCGGCTCCAGAGCCTGGATGCGCTGTTGGAGATGAAGTCGACTGATCGCAAGCAGACGCTGCT
GCACTACCTGGTGAAGGTCATTGCTGAGAAGTACCCGCAACTCACAGGCTTCCACAGCGACCTGCACTTCCTGGA
CAAGGCGGGCTCAGTGTCCCTGGACAGTGTCTGGCGGACGTGCGCTCCCTGCAGCGAGGCCTAGAGTTGACACA
GAGAGAGTTTGTGCGGCAGGATGACTGCATGGTGCTCAAGGAGTTCCTGAGGGCCAACCTCGCCCACCATGGACAA
GCTGCTGGCAGACAGCAAGACGGCTCAGGAGGCCTTTGAGTCTGTGGTGGAGTACTTCGGAGAGAACCCCAAGAC
CACATCCCCAGGCTGTCTTCTCCCTCTTTAGCCGCTTCATTAAGGCCTACAAGAAAGCTGAGCAGGAGGTGGA
ACAGTGGA¹AAAAAAGAAGCCGCTGCCAGGAGGCAGGCGCTGATACCCCGGGCAAAGGGGAGCCCCCAGCACCCAA
GTCACCGCCAAAGGCCCGGCGGCCACAGATGGACCTCATCTCTGAGCTGAAACGGAGGCAGCAGAAGGAGCCACT
CATTTATGAGAGCGACCGTGATGGGGCCATTGAAGACATCATCACAGATCTGCGGAACCAGCCCTACATCCGCGC
AGACACAGGCCCGCCGAGTGCCCGTCCGGCTCCCCCGGGCCCCCACTGCAGGTACCTCCGACCTCTCGCTGTA
GCCGCTATTTCTGCAGGTGGATTCTGCAGGGGTGTGGGGCCGTGGACAGGCTGAGGCTCAAGGAAGGTGGTCCTC
AGCTCGGCTGGCCGGGAGCCCCCTCCTCCGCTGTGGCCCGCCTCAAACGGGCTGGTGCATCCTCCTCTTGGCCAC
AGAGGGCAGCATCGCCCGCCCCTTCCCCCAAATGCTGCTTGACAGACCCACCCTAAAGCCCCCTCCAAATAGCCA
TACTTAGCCTCAGCAGGAGCCTGGCCTGTAACCTTATAAAGTGACCTCGCCCCGCAAGCCCCAGCCCCGAGGAC
CGTCCATGGACCTTATTTTTATATGAGATTAATAAAGATGTTTGCAAAGAAAAA

1068/2825
FIGURE 942

MPLLNWVALKPSQITGTVFTELNDEKVLQELDMSDFEEQFKTKSQGPSLDLSALKSKAAQKAPSKATLIEANRAK
NLAITLRKGNLGAERICQAIEAYDLQALGLDFLELLMRFLPTEYERSLITRFEREQRPMEELSEEDRFMLCFSRI
PRLPERMTTLTFLGNFPDTAQLLMPQLNAIIAASMSIKSSDKLRQILEIVLAFGNMNSSKRGAAYGFRQLQSLDA
LLEMKSTDRKQTLHLHYLVKVIAEKYPQLTG FHSDLHFLDKAGSVSLDSVLADVRSLQRGLELTQREFVVRQDDCMV
LKEFLRANSPTMDKLLADSKTAQEAFESVVEYFGENPKTTSPGLFFSLFSRFIKAYKKAQEVEQWKKEAAQEA
GADTPGKGEPAPKSPKARRPQMDLISELKRRQQKEPLIYESDRDGAIEDIITDLRNQPYIRADTGRRSARRRP
PGPPLQVTSDSL

GGCAGGAGCGGAGAGGAGCCGCGCAGGGCGCGGGCGCGCGGGGTGGGGCAGCCGAGCGCAGGCCCCCGATCCCCGG
CGGGCGCCCCCGGGCCCCCGCGCGCGCCCCGGCCTCCGGGAGACTGGCGCATGCCACGGAGCGCCCCCTCGGGCCG
CCGCCGCTCCTGCCCGGGCCCCCTGCTGCTGCTGCTGCTGCTGCGCCTGCGCCTGCTGCCCAACTCGGCGCCCCGACTTCT
TCATGGTGTGCGGAGGTTCATGTTTCGCTCCTTAGCAGGCAAACGACTTTTCTCCTCGCCTCCTCGCCCCGCATGTT
CAGGACCAAACGATCTGCGCTCGTCCGGCGTCTCTGGAGGAGCCGTGCGCCCCGGCGGCGAGGACGAGGAGGAGGG
CGCAGGGGGAGGTGGAGGAGGAGGCGGAGCTGCGGGGAGAAGGGGCGACGGACAGCCGAGCGCATGGGGCCGGTGG
CGGCGGCCCGGGCAGGGCTGGATGCTGCTGCGCTGGGCAAGGCGGTGCGAGGTGCCAAAGGTACCACCATCCCCACCC
GCCAGCCGCGGGGCGCCGGCGCGGGCCGGGGGCGCCGAGGCGGATCTGAAGGCGCTACGCACTCGGTGCTCAAGAA
ACTGAAGGAGCGGCAGCTGGAGCTGCTGCTCCAGGCCGTGGAGTCCCGCGCGGGACGCGCACCCGCGTGCCTCCT
GCTGCCCGGGCCGCTGGACTGCGAGGCTGGGCCCCGGGGGCGCCCGCCGGCGCGCAGCCTGCGCAGCCGCCCTCGTC
CTACTCGCTCCCCCTCCTGCTGTGCAAAGTGTTCAGGTGGCCGGATCTCAGGCATTCTCGGAAGTCAAGAGGCT
GTGTTGCTGTGAATCTTACGGGAAGATCAACCCCGAGCTGGTGTGCTGCAACCCCCATCACCTTAGCCGACTCTG
CGAACTAGAGTCTCCCCCCCCCTCCTTACTCCAGATACCCGATGGATTTTCTCAAACCAACTGCAGACTGTCCAGA
TGCTGTGCCTTCTCCTCGCTGAAACAGGGGGGAACGAATTATCTGGCCCCCTGGGGGGCTTTCAGATTCCCAACTTCT
TCTGGAGCCTGGGGATCGGTACACTGGTGCCTGGTGGCATACTGGGAGGAGAAGACGAGAGTGGGGAGGCTCTA
CTGTGTCCAGGAGCCCTCTCTGGATATCTTCTATGATCTACCTCAGGGGAATGGCTTTTGCCTCGGACAGCTCAA
TTCGGACAACAAGAGTCAGCTGGTGCAGAAAGGTGCGGAGCAAATCGGCTGCGGCATCCAGCTGACGCGGGAGGT
GGATGGTGTGTGGGTGTACAACCGCAGCAGTTACCCCATCTTCATCAAGTCCGCCACACTGGACAACCCGGACTC
CAGGACGCTGTTGGTACACAAGGTGTTCCCCGGTTTCTCCATCAAGGCTTTCGACTACGAGAAGGCGTACAGCCT
GCAGCGGCCCAATGACCACGAGTTTATGCAGCAGCCGTGGACGGGGCTTACCCTGTCAGATCAGCTTTGTGAAGGG
CTGGGGTCAGTGCTACACCCGCCAGTTCATCAGCAGCTGCCCGTGCTGGCTAGAGGTATCTTCAACAGCCGGTAA
GCCGCGTGCGGAGGGGACAGAGCGTGAGCTGAGCAGGCCACACTTCAAACCTACTTTGCTGCTAATATTTTCTCCTC
TGAGTGCTTGCTTTTTCATGCAAACCTCTTTGGTTCGTTTTTTTTTTGTTTTGTTGGTTGGTTTTCTTCTTCTCGTCTC
CGTTTGTTGTTCTGTTTTGTTTTGCTCTTTTGAGAAATAGCTTATGAAAAGAATTGTTGGGGGTTTTTTTTTGAAGAA
GGGGCAGGTATGATCGGCAGGACACCCTGATAGGAAAGAGGGGAAGCAGAAATCCAAGCACCACCAAACACAGTGT
ATGAAGGGGGGGCGGTTCATCATTTTCACTTGTTCAGGAGTGTGTGTGAGTGTGAGTGTGCGGCTGTGTGTGCACGCGT
GTGCAGGAGCGGCAGATGGGGAGACAACGTGCTCTTTGTTTTGTGTCTCTTATGGATGTCCCCAGCAGAGAGGTT
TGCAGTCCCAAGCGGTGTCTCTCCTGCCCTTGGACACGCTCAGTGGGGCAGAGGCAGTACCTGGGCAAGCTGGC
GGCTGGGGTCCCAGCAGCTGCCAGGAGCACGGCTCTGTCCCAGCCTGGGAAAGCCCTGCCCTCCTCTCCCTC
ATCAAGGACACGGGCCTGTCCACAGGCTTCTGAGCAGCGAGCCTGCTAGTGGCCGAACCAGAACCAATTATTTTC
ATCCTTGTCTTATTCCCTTCTGCCAGCCCTGCCATTGTAGCGTCTTTCTTTTTTGGCCATCTGCTCCTGGATC
TCCCTGAGATGGGCTTCCCAAGGGCTGCCGGGGCAGCCCCCTCACAGTATTGCTACCCAGTGCCCTCTCCCTC
AGCCTCTCCCTGCCTGCCCTGGTGACATCAGGTTTTTCCCGGACTTAGAAAACCAGCTCAGCACTGCCTGCTCC
CATCTGTGTGTTAAGCTCTGCTATTAGGCCAGCAAGCGGGGATGTCCCTGGGAGGGACATGCTTAGCAGTCCCC
TTCCCTCCAAGAAGGATTTGGTCCGTATAACCCAAGGTACCATCCTAGGCTGACACCTAACTCTTCTTTTCATTT
CTTCTACAACCTCATACACTCGTATGATACTTCGACACTGTTCTTAGCTCAATGAGCATGTTTAGACTTTAACATA
AGCTATTTTTTCTAACTACAAAGGTTTAAATGAACAAGAGAAGCATTCTCATTGGAAATTTAGCATTGTAGTGCTT
TGAGAGAGAAAGGACTCCTGAAAAAAAACCTGAGATTTATTAAGAAAAAAATGTATTTTATGTTATATATAAAT
ATATTATTACTTGTAATATAAAGACGTTTTATAAGCATCATTATTTATGTATTGTGCAATGTGTATAAACAAGA
AAAATAAAGAAAAGATGCACTTTGCTTTAATATAAATGCAAAATAACAAATGCCAAATTAATAAAGATAAACACAA
GATTGGTGTTTTTTTCTATGGGTGTTATCACCTAGCTGAATGTTTTTCTAAAGGAGTTTATGTTCCATTAAACGA
TTTTTAAATGTACACTTGAAAAA

1070/2825
FIGURE 944

MFRTKRSALVRRLWRSRAPGGEEDEEEGAGGGGGGGELRGEGATDSRAHGAGGGGPGRAGCCLGKAVRGAKGHHHP
HPPAAGAGAAGGAEADLKALTHSVLKKLKERQLELLQLAVESRGGTRTACLLLPGRLCDRLGPGAPAGAQAQPP
SSYSLPLLLCKVFRWPDLRHSSEVKRLCCCESYGKINPELVCCNPHHLSRLCELESPPPPYSRYPMDFLKPADC
PDAVPSSAETGGTNYLAPGGLSDSQLLLEPGDRSHWCVVAYWEEKTRVGRLYCVQEPSLDIFYDLPQGNFCLGQ
LNSDNKSQLVQKVRISKIGCGIQLTREVDGVVWYNRSSYPIFIKSATLDNPDSRTLLVHKVFPGFSSIKAFDYEKAY
SLQRPNDHEFMQQPWIGFTVQISFVKGWGQCYTRQFISSCPCWLEVIFNSR

1071/2825
FIGURE 945

ATGGCGCCCCGAAGCCTCCTCCTGCTGCTCTCAGGGGCCCTGGCCCTGACCGATACTTGGGCGGGCTCCCACTCC
TTGAGGTATTTACGACACCGCTGTGTGCGGGCCCGGCCGCGGGGAGCCCCGCTACATCGCCGTGGAGTACGTAGAC
GACACGCAATTCCTGCGGTTTCGACAGCGACGCCGCGATTCCGAGGATGGAGCCGCGGGAGCCGTGGGTGGAGCAA
GAGGGGCCCGCAGTATTGGGAGTGGACCACAGGGTACGCCAAGGCCAACGCACAGACTGACCGAGTGGCCCTGAGG
AACCTGCTCCGCCGCTACAACCAGAGCGAGGCTGGGTCTCACACCCTCCAGGGAATGAATGGCTGCGACATGGGG
CCCGACGGACGCCTCCTCCGCGGGTATCACCAGCACGCGTACGACGGCAAGGATTACATCTCCCTGAACGAGGAC
CTGCGCTCCTGGACCGCGGCGGACACCGTGGCTCAGATCACCCAGCGCTTCTATGAGGCAGAGGAATATGCAGAG
GAGTTCAGGACCTACCTGGAGGGCGAGTGCCTGGAGTTGCTCCGCAGATACTTGGAGAATGGGAAGGAGACGCTA
CAGCGCGCAGATCCTCCAAAGGCACACGTTGCCACCACCCCATCTCTGACCATGAGGCCACCCTGAGGTGCTGG
GCCCTGGGCTTCTACCCTGCGGAGATCACGCTGACCTGGCAGCGGGATGGGGAGGAACAGACCCAGGACACAGAG
CTTGTGGAGACCAGGCCTGCAGGGGATGGAACCTTCCAGAAGTGGGCCGCTGTGGTGGTGCCTTCTGGAGAGGAA
CAGAGATACACATGCCATGTGCAGCACGAGGGGCTGCCCCAGCCCCTCATCCTGAGATGGGAGCAGTCTCCCCAG
CCCACCATCCCCATCGTGGGCATCGTTGCTGGCCTTGTTGTCCTTGGAGCTGTGGTCACTGGAGCTGTGGTTCGCT
GCTGTGATGTGGAGGAAGAAGAGCTCAGATAGAAACAGAGGGAGCTACTCTCAGGCTGCAGTCACTGACAGTGCC
CAGGGCTCTGGGGTGTCTCTCACAGCTAATAAAGTGT**TGAG**ACAGCTTCCTTGTGTGGGACTGAGAAGCAAGATAT
CAATGTAGCAGAATTGCACTTGTGCCTCACGAACATACATAAATTTAAAAATAAAGAATAAA

1072/2825
FIGURE 946

MAPRSLLLLLSGALALDTWAGSHSLRYFSTAVSRPGRGEPRIAVEYVDDTQFLRFDSDAaiprMEPREPWVEQ
EGPQYWEWTTGYAKANAQTDRVALRNLLRRYNQSEAGSHTLQGMNGCDMGPdGRLLRGYHQHAYDGKDYISLNED
LRSWTAADTVAQITQRFYEAEEYAEEFRTYLEGECELELLRRYLENGKETLQRADPPKAHVahHPISDHEATLRcw
ALGFYPAEITLTWQRDGEETQDTELvetRPAGDGTfQKWAaVVVPSGEEQRYTCHVQHEGLPQPLILRWEQSPQ
PTIPIVGIVAGLVVLGAVVTGAVVAaVMWRKKSSDRNRGSYSQAAVTDSaQGSgVSLTANKV

1073/2825
FIGURE 947

TTACTCAATCTCAGGCATTTATTCATAGCAATGCAAGAACTAATACAAATTGTAAAAAGTATAGTATAGTAAATA
CATAAACCAGTAACATAGTCATTTATTGTCATTATTAAATATTATGTACAGGACATAATTGCTGTACTTTTACTT
GACTGGCAGTGCAATAGATTTGTTTACACCAGTATCACCACAAACACGTGAGGATGTATTGCAATACATATGTCA
TCACTAGGCTATGACATCACTAGGCGATAGAAATTTTTTCAGCTCCATTATAATCTTATGGGACCACTATCATATA
TG TAGTCTACCACTGACTGAAATGTCATTATGTGGCATAACATAATGTAGAGTTTTCAAGGGTACCTTAAAGAACA
TCTATAAATACATACACACACAAACACATTTATACACCCAGTAGTCAAAATGATTTTAXAAATCACGTTAGCTCA
AAAAGXTAATTAAC TTTTATTATTTCATTAAAAATGAGCTTCTAAAXTATTAGTAXATTTCTTTTAAAG

1074/2825
FIGURE 948

CGCACTCCCTGCTGGGTGAGCAGCACTGTAAAG**ATGA**AAGCTGGCTAACTGGTACTGGCTGAGCTCAGCTGTTCTT
GCCACTTACGGTTTTTTTTGGTTGTGGCAAACAATGAAACAGAGGAAATTAAAGATGAAAGAGCAAAGGATGTCTGC
CCAGTGAGACTAGAAAAGCAGAGGGAAATGCGAAGAGGCAGGGGAGTGCCCCCTACCAGGTAAGCCTGCCCCCTTG
ACTATTCAGCTCCCGAAGCAATTCAGCAGGATCGAGGAGGTGTTCAAAGAAGTCCAAAACCTCAAGGAAATCGTA
AATAGTCTAAAGAAATCTTGCCAAGACTGCAAGCTGCAGGCTGATGACAACGGAGACCCAGGCAGAAACGGGACTG
TTGTTACCCAGTACAGGAGCCCCGGGAGAGGTTGGTGATAACAGAGTTAGAGAATTAGAGAGTGAGGTTAACAAG
CTGTCTCTGAGCTAAAGAATGCCAAAGAGGAGATCAATGTACTTCATGGTCGCCTGGAGAAGCTGAATCTTGTA
AATATGAACAACATAGAAAATTATGTTGACAGCAAAGTGGCAAATCTAACATTTTGTGTCAATAGTTTGGATGGC
AAATGTTCAAAGTGTCCAGCCAAGAACAATAACAGTCACGTCCAGTTCAACATCTAATATATAAAGATTGCTCT
GACTACTACGCAATAGGCAAAGAAGCAGTGAGACCTACAGAGTTACACCTGATCCAAAAATAGTAGCTTTGAA
GTTTACTGTGACATGGAGACCATGGGGGGAGGCTGGACAGTGCTGCAGGCACGTCTCGATGGGAGCACCAACTTC
ACCAGAACATGGCAAGACTACAAAGCAGGCTTTGGAAACCTCAGAAGGGAATTTTGGCTGGGGAACGATAAAATT
CATCTTCTGACCAAGAGTAAGGAAATGATTCTGAGAATAGATCTTGAAGACTTTAATGGTGTGGAAGTATATGCC
TTGTATGATCAGTTTTATGTGGCTAATGAGTTTCTCAAATATCGTTTACACGTTGGTAACTATAATGGCACAGCT
GGAGATGCATTACGTTTCAACAAACATTACAACCACGATCTGAAGTTTTTCACCACTCCAGATAAAGACAATGAT
CGATATCCTTCTGGGAAGTGTGGGCTGTACTACAGTTCAGGCTGGTGGTTTGATGCATGTCTTTCTGCAAACCTA
AATGGCAAATATTATACCAAAAATACAGAGGTGTCCGTAATGGGATTTTCTGGGGTACCTGGCCTGGTGTAAGT
GAGGCACACCCTGGTGGCTACAAGTCCTCCTTCAAAGAGGCTAAGATGATGATCAGACCCAAGCACTTTAAGCCA
TAAATCACTCTGTTTCTTCCAGGTATTGTTATCTAATAGGGCAATTAATTCCTTCAGCACTTTAGAATATG
CCTTGTTTCATATTTTTCATAGCTAAAAAATGTTTGACATCCTTTGAGATATTTTATTACTAAAATCTGCC

1075/2825
FIGURE 949

MKLANWYWLSSAVLATYGFLVVANNETEEIKDERAKDVCPVRLESRGKCEEAGECPYQVSLPPLTIQLPKQFSRI
EEVFKEVQNLKEIVNSLKKSCQDCKLQADDNGDPGRNGLLLPSTGAPGEVGDNRVRELESEVNKLSSSELKNAKEE
INVLHGRLEKLNLVNMNNIENYVDSKVANLTFVVNSLDGKCSKCPSQEQIQSRPVQHLYKDCSDYYAIGKRSSE
TYRVTPDPKNSSFEVYCDMETMGGGWTVLQARLDGSTNFTRTWQDYKAGFGNLRREFWLGNLKIHLITKSKEMIL
RIDLEDFNGVELYALYDQFYVANEFLKYRLHVGNYNGTAGDALRFNKHYNHDLKFFTTDPDKDNDRYPSGNCGLYY
SSGWWFDACLSANLNGKYYHQKYRGVRNGIFWGTWPGVSEAHPGGYKSSFKEAKMMIRPKHFKP

1076/2825
FIGURE 950

GCCCCGCCGCCGGCAGTGGACCGCTGTGCGCGAACCCTGAACCCTACGGTCCCGACCCGCGGGCGAGGCCGGGTA
CCTGGGCTGGGATCCGGAGCAAGCGGGCGAGGGCAGCGCCCTAAGCAGGCCCGGAGCG**AT**GGCAGCCTTGATGAC
CCCCGGAACCGGGGGCCCCACCCGCGCCTGGTGACTTCTCCGGGGAAGGGAGCCAGGGACTTCCCGACCCTTCGCC
AGAGCCCAAGCAGCTCCCGGAGCTGATCCGCATGAAGCGAGACGGAGGCCGCCTGAGCGAAGCGGACATCAGGGG
CTTCGTGGCCCGCTGTGGTGAATGGGAGCGCGCAGGGCGCACAGATCGGGGCCATGCTGATGGCCATCCGACTTCG
GGGCATGGATCTGGAGGAGACCTCGGTGCTGACCCAGGCCCTGGCTCAGTCGGGACAGCAGCTGGAGTGGCCAGA
GGCCTGGCGCCAGCAGCTTGTGGACAAGCATTCCACAGGGGGTGTGGGTGACAAGGTCAGCCTGGTCCCTCGCACC
TGCCCTGGCGGCATGTGGCTGCAAGGTGCCAATGATCAGCGGACGTGGTCTGGGGCACACAGGAGGCACCTTGGA
TAAGCTGGAGTCTATTCCCTGGATTCAATGTATCCAGAGCCCAGAGCAGATGCAAGTGCTGCTGGACCAGGCCGG
CTGCTGTATCGTGGGTGAGAGTGAGCAGCTGGTTCCCTGCGGACGGAATCCTATATGCAGCCAGAGATGTGACAGC
CACCGTGGACAGCCTGCCACTCATCACAGCCTCCATTCTCAGTAAGAACTCGTGGAGGGGCTGTCCGCTCTGGT
GGTGGACGTTAAGTTCGGAGGGGGCGCCGTCTTCCCCAACAGGAGCAGGCCCGGGAGCTGGCAAAGACGCTGGT
TGGCGTGGGAGCCAGCCTAGGGCTTCGGGTGCGGGCAGCGCTGACCGCCATGGACAAGCCCCTGGGTGCTGCGT
GGGCCACGCCCTGGAGGTGGAGGAGGCGCTGCTCTGCATGGACGGCGCAGGCCCGCCAGACTTAAGGGACCTGGT
CACCACGCTCGGGGGCGCCCTGCTCTGGCTCAGCGGACACGCGGGGACTCAGGCTCAGGGCGCTGCCCCGGGTGGC
CGCGGCGCTGGACGACGGCTCGGCCCTTGCCGCTTCGAGCGGATGCTGGCGGCGCAGGGCGTGGATCCCGGTCT
GGCCCGAGCCCTGTGCTCGGGAAGTCCCGCAGAACGCCGGCAGCTGCTGCCTCGCGCCCGGGAGCAGGAGGAGCT
GCTGGCGCCCGCAGATGGCACCGTGGAGCTGGTCCGGGCGCTGCCGCTGGCGCTGGTGCTGCACGAGCTCGGGGC
CGGGCGCAGCCGCGCTGGGGAGCCGCTCCGCCTGGGGGTGGGCGCAGAGCTGCTGGTGCACGTGGGTGAGAGGCT
GCGCCGTGGGACCCCCCTGGCTCCGCTGCACCGGGACGGCCCCGCGCTCAGCGGCCCGCAGAGCCGCGCCCTGCA
GGAGGCGCTCGTACTCTCCGACCGCGCGCCATTGCGCGCCCCCTCGCCCTTCGCAGAGCTCGTTCTGCGCGCCGA
GCAAT**TAA**AGCTCCTTTGCCGCGAAA

1077/2825
FIGURE 951

MAALMTPGTGAPPAPGDFSGEGSQGLPDPSPPEPKQLPELIRMKRDGGRLSEADIRGFVAAVVNGSAQGAQIGAML
MAIRLRGMDLEETSVLTQALAQSGQQLWPEAWRQQLVDKHSTGGVGDVSLVLAPALAACGCKVPMISGRGLGH
TGGTLDKLESIPGFNVIQSPEQMQLLDQAGCCIVGQSEQLVPADGILYAARDVTATVDSLPLITASILSKKLVE
GLSALVVDVKFGGAAVFPNQEQARELAKTLVGVGASLGLRVAAALTAMDKPLGRCVGHAEVEEALLCMDGAGFP
DLRDLVTTLGGALLWLSGHAGTQAQGAARVAAALDDGSALGRFERMLAAQGVDPLARALCSGSPAERRQLLPRA
REQEELLAPADGTVELVRALPLALVLHELGAGRSRAGEPLRLGVGAELLVDVGQRLRRGTPWLRVHRDGPALSGP
QSRALQEALVLSDRAPFAAPSPFAELVLPPQQ

1078/2825
FIGURE 952

AGAACGCAGACCAGCCCAAGCTGACAGCTTGAGTATGCCTTCTTCTGCTGCCTGGTTTTGGGGGCTGTATGACGT
ACTGGTCGGTAGTAAAGATTAATATGTAAGAAATGTGGAGCTAGGATCAAGTCATACTCCACAGCCTGCCTGGCA
AACTATGTTTTACTTCTGACTTTGCTCTCTCGCTGAGAACATTAATCTGTCAAGCTGGCGGGCTCCTTTGATAGC
AACTTTCCAGGGGCATGATGTGGCAATGCCACCTCTCAGCCCAGGACTACCGCTATTACCCCGTGGACGGCTAC
TCCCTGCTTAAACGCTTCCCTCTTCATCTCTTACAGGACCCAGATGCCCTGTCCAAACAGTGGGACAATGGTTG
GAAAGCATTGGGCTACCTCAGTACGAGAACCACCTGATGGCTAATGGATTGACAATGTGCAGTTTATGGGAAGC
AATGTTATGGAAGATCAGGATTTGTTGGAAATTGGAATCCTTAATTCTGGGCACAGACAAAGAATTCTACAGGCA
ATCCAGCTCCTTCCAAAGATGAGACCCATTGGGCATGATGGCTACCATCCACCTCTGTAGCTGAGTGGCTGGAT
TCCATTGAACTGGGCGACTACACCAAAGCCTTTCTAATTAATGGCTACACTTCGATGGACCTGTTGAAAAAATC
TGGGAGGTTGAACTTATTAATGTTTTAAAAATCAATTTGATTGGCCACAGGAAACGTATTTTGGCATCTCTGGGA
GACAGGCTGCACGACGATCCCCACAGAAGCCCCCTCGGTCCATCACCTCAGGACAGGAGACTGGGGAGAACCT
TCCATTACCTTGCGACCTCCGAATGAAGCCACAGCCTCTACCCCGGTACAGTACTGGCAGCATCACCCAGAAAAG
CTTATCTTCCAGTCGTGTGATTACAAAGCTTTTTATTTAGGTTCTATGCTGATAAAAGAGCTTAGGGGGACAGAA
TCAACCCAAGATGCTTGTGCAAAAATGCGGGCTAACTGTCAGAAGTCTACAGAGCAAATGAAGAAGGTCCCTACT
ATTATCTTTCTGTCTCATATAAAGGAGTCAAATTTATTGATGCAACAAATAAGAACATAATTGCTGAGCATGAA
ATTGTAATATCTCCTGTGCTGCCCAGGACCCAGAAGACCTCTCAACATTTGCCTATATCACAAAAGATTTGAAG
TCTAATCACCCTACTGTCATGTGTTTACTGCCTTTGATGTGAATTTAGCCTATGAAATCATCCTAACCCTGGGA
CAGGCATTCGAAGTCGCTTACCAGCTAGCACTACAAGCAAGAAAAGGGGACACTCCTCCACACTTCCAGAAAGC
TTTGAAAACAAACCTCCAAACCCATCCCCAAGCCCCGCGTTAGCATTCGCAAGTCCGTGGATCTTCTTCATGCC
AGCCATACCGGGCAGGAACCATCAGAGAGACACACTGAGGAGGCACTCAGAAAATTTTGATAGAAATTGAATTTAC
ATATAGCTGATAAAGCCTAAATAGAAAGGTTGATGTATTTAGCTTGAATCCTTCACTTTAGTGGTCTAATCAACA
GATAAATGACAAGCAAAGAATGAAACAATCCAAAAATGTTTTTCAAACAATTTTGTGAATTTTATTTTACAAA
AATTTTTTAAATTCATATTTTAAATGTATACCAAGGCAAAAAATCATATAAGCTATATCATAAATACAAGAGT
TTCAAAACATACAAGAGACATATAATG

1079/2825
FIGURE 953

MMWQCHLSAQDYRYYPVDGYSLKRFPLHPLTGPRCPVQTVGQWLESIGLPQYENHLMANGFDNVQFMGSNVMED
QDLLEIGILNSGHRQRILQAIQLLPKMRPIGHDGYHPTSVAEWLDSIELGDYTKAFLINGYTSMDLLKKIWEVEL
INVLKINLIGHRRKILASLGDR LHDDPPQKPPRSITLRTGDWGEPSITLRPPNEATASTPVQYWQHHPKLIQFS
CDYKAFYLGSM LIKE LRGTSTQDACAKMRANCQKSTEQMKKVPTIILSVSYKGVKFIDATNKNI IAEHEIRNIS
CAAQDPEDLSTFAYITKDLKSNHHYCHVFTAFDVNLAYEI ILTLGQAFEVAYQLALQARKGGSSTLPESFENKP
SKPIPKPRVSIRKSVDLLHASHTGQEP SERHTEEALRKF

1080/2825
FIGURE 954A

TGCATGAAGACAAAAGGTCCTGTGCTCACCTGGGACCCTTCTGGACGTTGCCCTGTGTACCTCTTCGACTGCCTG
TTCATCTACGACGAACCCCGGGTATTGACCCAGACAACAATGCCACTTCATATTGGGGACTTCGTCTGGGATTC
CAAGGTGCATTTCATTGCAAAGTTCCTTAAATATTTTCTCACTGCTTCCTACTAAAGGACGGACAGAGCATTGT
CTTCAGCCACATACTTTCCTTCCACTGGCCAGCATTCTCCTCTATTAGACTAGAAGTGTGGATAAACCTCAGAAA
ATGGCCACCCAGCAGAAAGCCTCTGACGAGAGGATCTCCAGTTTGATCACAATTTGCTGCCAGAGCTGTCTGCT
CTTCTGGGCCTAGATGCAGTTCAGTTGGCAAAGGAAGTGAAGAAGAGGAGCAGAAGGAGCGAGCAAAAATGCAG
AAAGGCTACAACCTCTCAAATGCGCAGTGAAGCAAAAAGGTTAAAGACTTTTGTGACTTATGAGCCGTACAGCTCA
TGGATAACACAGGAGATGGCGGCCGCTGGGTTTTACTTCACTGGGGTAAAACTCTGGGATTTCAGTGCTTCTGCTGT
AGCCTAATCCTCTTTGGTGGCGGCCCTCAGGAGACTCCCCATAGAAGACCACAAGAGGTTTCATCCAGATTGTGGG
TTCCTTTTGAACAAGGATGTTGGTAACATTGCCAAGTACGACATAAGGGTGAAGAATCTGAAGAGCAGGCTGAGA
GGAGGTAAAATGAGGTACCAAGAAGAGGAGGCTAGACTTGCGTCTTCAGGAAGTGGCCATTTTATGTCCAAGGG
ATATCCCTTGTGTGCTCTCAGAGGCTGGCTTTGTCTTTACAGGTAAACAGGACACGGTACAGTGTTTTTCTGT
GGTGGATGTTTAGGAAATTTGGGAAGAAGGAGATGATCCTTGGAAGGAACATGCCAAATGGTTCCCCAAATGTGAA
TTTTCTTCGGAGTAAGAAATCCTCAGAGGAAATTACCCAGTATATTCAAAGCTACAAGGGATTGTGTGACATAACG
GGAGAACATTTTGTGAATTCCTGGGTCCAGAGAGAATTACCTATGGCATCAGCTTATTGCAATGACAGCATCTTT
GCTTACGAAGAACTACGGCTGGACTCTTTTAAGGACTGGCCCCGGGAATCAGCTGTGGGAGTTGCAGCACTGGCC
AAAGCAGGTCTTTTCTACACAGGTATAAAGGACATCGTCCAGTGCTTTTCTGTGGAGGGTGTTTAGAGAAATGG
CAGGAAGGTGATGACCCATTAGACGATCACACCAGATGTTTTCCCAATTGTCCATTTCTCCAAAATATGAAGTCC
TCTGCGGAAGTGACTCCAGACCTTCAGAGCCGTGGTGAACCTTTGTGAATTACTGGAACCACAAGTGAAAGCAAT
CTTGAAGATTCAATAGCAGTTGGTCCTATAGTGCCAGAAATGGCACAGGGTGAAGCCCAGTGTTTCAAGAGGCA
AAGAATCTGAATGAGCAGCTGAGAGCAGCTTATACCAGCGCCAGTTTCCGCCACATGTCTTTGCTTGATATCTCT
TCCGATCTGGCCACGGACCACTTGCTGGGCTGTGATCTGTCTATTGCTTCAAACACATCAGCAAACCTGTGCAA
GAACCTCTGGTGCTGCCTGAGGTCTTTGGCAACTTGAACCTCTGTCAATGTGTGTGGAGGGTGAAGCTGGAAGTGA
AAGACGGTCCTCCTGAAGAAAATAGCTTTTCTGTGGGCATCTGGATGTGTGTCCCTGTAAACAGGTTCCAGCTG
GTTTTCTACCTCTCCCTTAGTTCCACCAGACCAGACGAGGGGCTGGCCAGTATCATCTGTGACCAGCTCCTAGAG
AAAGAAGGATCTGTTACTGAAATGTGCATGAGGAACATTATCCAGCAGTTAAAGAATCAGGTCTTATTCTTTTA
GATGACTACAAAGAAATATGTTCAATCCCTCAAGTCATAGGAAAACCTGATTCAAAAAAACCCTTATCCCGGACC
TGCCTATTGATTGCTGTCCGTACAAACAGGGCCAGGGACATCCGCCGATACCTAGAGACCATTCTAGAGATCAAA
GCATTTCCCTTTTATAATACTGTCTGTATATTACGGAAGCTCTTTTACATAATATGACTCGTCTGCGAAAGTTT
ATGGTTTACTTTGGAAAGAACCAGTTTGCAGAAGATACAGAAAACCTCCTCTCTTTGTGGCGGCGATCTGTGCT
CATTGGTTTCAGTATCCTTTTGACCCATCCTTTGATGATGTGGCTGTTTTCAAGTCCTATATGGAACGCCTTTCC
TTAAGGAACAAAGCGACAGCTGAAATTCTCAAAGCAACTGTGTCTCCTGTGGTGAGCTGGCCTTGAAAGGGTTT
TTTTCATGTTGCTTTGAGTTTAAATGATGATGATCTCGCAGAAGCAGGGGTTGATGAAGATGAAGATCTAACCATG
TGCTTGATGAGCAAATTTACAGCCCAGAGACTAAGACCATCTACCGGTTTTTAAGTCCTGCCTTCCAAGAAATTT
CTTGCGGGGATGAGGCTGATTGAACTCCTGGATTAGATAGGCAGGAACATCAAGATTTGGGACTGTATCATTTG
AAACAAATCAACTCACCCATGATGACTGTAAGCGCCTACAACAATTTTTTGAAGTATGTCTCCAGCCTCCCTTCA
ACAAAAGCAGGGGCCAAAATTTGTGTCTCATTTGCTCCATTTAGTGGATAACAAAGAGTCATTGGAGAATATATCT
GAAAATGATGACTACTTAAAGCACCAGCCAGAAATTTCACTGCAGATGCAGTTACTTAGGGGATTGTGGCAAATTT
TGTCCACAAGCTTACTTTTCAATGGTTTTCAGAACATTTACTGGTTCTTGCCCTGAAAACCTGCTTATCAAAGCAAC
ACTGTTGCTGCGTGTTCTCCATTTGTTTTGCAATTCCTTCAAGGGAGAACACTGACTTTGGGTGCGCTTAACTTA
CAGTACTTTTTTCGACCACCCAGAAAGCTTGTCAATTGTTGAGGAGCATCCACTTCCCAATACGAGGAAATAAGACA
TCACCCAGAGCACATTTTTTCAGTTCTGGAAACATGTTTTTGACAAATCACAGGTGCCAACTATAGATCAGGACTAT
GCTTCTGCCTTTGAACCTATGAATGAATGGGAGCGAAATTTAGCTGAAAAAGAGGATAATGTAAAGAGCTATATG
GATATGCAGCGCAGGGCATCACCAGACCTTAGTACTGGCTATTGGAACTTTCTCCAAAGCAGTACAAGATTCCC
TGTCTAGAAGTCGATGTGAATGATATTGATGTTGTAGGCCAGGATATGCTTGAGATTCTAATGACAGTTTTCTCA
GCTTCACAGCGCATCGAACTCCATTTAAACCACAGCAGAGGCTTTATAGAAAGCATCCGCCAGCTCTTGAGCTG
TCTAAGGCCTCTGTACCAAGTGCTCCATAAGCAAGTTGGAACCTCAGCGCAGCCGAACAGGAAGTCTTCTCACC
CTGCCTTCCCTGGAATCTCTTGAAGTCTCAGGGACAATCCAGTCACAAGACCAATCTTTCTAATCTGGATAAG

1081/2825
FIGURE 954B

TTCTGTGCCTGAAAGAACTGTCTGTGGATCTGGAGGGCAATATAAATGTTTTTTCAGTCATTCTGAAGAATTT
CCAAACTTCCACCATATGGAGAAATTATTGATCCAAATTTTCAGCTGAGTATGATCCTTCCAAACTAGTAAAATTA
ATTCAAAATTTCTCCAAACCTTCATGTTTTCCATCTGAAGTGTAACCTCTTTTCGGATTTTGGGTCTCTCATGACT
ATGCTTGTTTTCTGTAAAGAACTCACAGAAATTAAGTTTTTCGGATTCAATTTTTCAAGCCGTCCCATTTGTTGCC
AGTTTGCCAAATTTTATTTCTCTGAAGATATTAATCTTGAAGGCCAGCAATTTCTGATGAGGAAACATCAGAA
AAATTTGCCTACATTTTAGGTTCTCTTAGTAACCTGGAAGAATTGATCCTTCTACTGGGGATGGAATTTATCGA
GTGGCCAAACTGATCATCCAGCAGTGTCAGCAGCTTCATTGTCTCCGAGTCCTCTCATTTTTTCAAGACTTTGAAT
GATGACAGCGTGGTGGAAATTGCCAAAGTAGCAATCAGTGGAGGTTTCCAGAACTTGAGAACCTAAAGCTTTCA
ATCAATCACAAGATTACAGAGGAAGGATACAGAAATTTCTTCAAGCACTGGACAACATGCCAACTTGCAGGAG
TTGGACATCTCCAGGCATTTACAGAGTGTATCAAAGCTCAGGCCACAACAGTCAAGTCTTTGAGTCAATGTGTG
TTACGACTACCAAGGCTCATTAGACTGAACATGTTAAGTTGGCTCTTGATGCAGATGATATTGCATTGCTTAAT
GTCATGAAAGAAAGACATCCTCAATCTAAGTACTTAACTATTCTCCAGAAATGGATACTGCCGTTCTCTCCAATC
ATTCAGAAATAAAAGATTAGCTAAAACTGCTGAATCAATAATTTGTCTTGGGGCATATTGAGGATGTAAAAAA
AGTTGTTGATTAATGCTAAAAACCAATTATCCAAATTTATTTTATTAAATATTGCATACAAAAGAAAATGTGTA
AGGCTTGCTAAAAAACAAAACAAAACACAGTCCTGCATACTCACCACCAAGCTCAAGAAATAAATCATCA
CCAATACCTTTGAGGTCCCTGAGTAATCCACCCAGCTAAAGGCCAAACCCTTCAATCAAGTTTATACAGCAAACC
CTCCATTGTCCATGGTCAACAGGGAAGGGGTTGGGGACAGGTCTGCCAATCTATCTAAAAGCCACAATATGGAAG
AAGTATTCAATTTATATAATAAATGGCTAACTTAACGGTTGAATCACTTTCATACATGGATGAAACGGGTTAAC
ACAGGATCCACATGAATCTTCTGTGGGCCAAGAGATGTTCCCTAATCCTTGTAAGACCTGTTTTCTATATTGAAC
TAGCTTTGGTACAGTAGAGTTAACTTACTTTCCATTTATCCACTGCCAATATAAAGAGGAAACAGGGGTTAGGGA
AAAATGACTTCATTCCAGAGGCTTCTCAGAGTTCAACATATGCTATAATTTAGAATTTTCTTATGAATCCACTCT
ACTTGGGTAGAAAATATTTTATCTCTAGTGATTGCATATTATTTCCATATCATAGTATTTCATAGTATTATATTT
GATATGAGTGTCTATATCAATGTCAGTGTCCAGAATTTTCGTTCTACCAGTTAAGTAGTTTTCTGAACGGCCAGA
AGACCATTTCGAAATTCATGATACTACTATAAGTTGGTAAACAACCATACTTTTATCCTCATTTTTTATTCTCACTA
AGAAAAAAGTCAACTCCCCTCCCCTTGCCCAAGTATGAAATATAGGGACAGTATGTATGGTGTGGTCTCATTTGT
TTAGAAAACCACTTATGACTGGGTGCGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGCGA
ATCATTTGAGGTGAGGAATTTCGAGACCAGCCTGGCCAGCATGGTGAAACCCCATCTCTACTAAAAATACAAAAAT
TAGCCAGGTGTGGTGGCACATGCCTGTAGTCCCAGCCACTAGGGCGGCTGAGACGCAAGACTTGCTTGAACCCGG
GAGGCAGAGGTTGCAGTGAGCCAAGATGGCGCCACTGCATTCCAGCCTGGGCAACAGAGCAAGACCCTGTCTGTC
TCAAAACAAAAAACAAAACCACTTATATTGCTAGCTACATTAAGAATTTCTGAATATGTTACTGAGCTTGCTTGT
GGTAACCATTTATAATATCAGAAAGTATATGTACACCAAAACATGTTGAACATCCATGTTGTACAACCTGAAATAT
AAATAATTTTGTCAATTATACCTAAATAAACTGGAAAAAATTTCTGGAAGTTTATATCTAAAAATGTTAATAG
TGCGTACCTCTAGGAAGTGGGCCTGGAAGCCATTCTACTTTTCAGTCTCTCCATTCTGTACTGTTTTTTGTTT
TACTTTCGTGCCTGCATTATTTTTCTATTTAAACAAAAATAAATCTAGTTTAGCACT

1082/2825
FIGURE 955

MATQQKASDERISQFDHNLLPELSALLGLDAVQLAKELEEEEQKERAKMQKGYNSQMRSEAKRLKTFVITYEPYSS
WIPQEMAAAGFYFTGVKSGIQCFCCSLILFGAGLTRLP IEDHKRFHPDCGFLLNKDVGNIAKYDIRVKNLKSRLR
GGKMRYQEEEARLASFRNWPFYVQGISPVLSEAGFVFTGKQDTVQCFSCGGCLGNWEEGDDPWKEHAKWFPKCE
FLRSKKSSEEITQYIQSYKGFVDITGEHFVNSWVQRELP MASAYCND SIFAYEELRLDSFKDWPRESAVGVAALA
KAGLFYTG IKDIVQCFSCGGCLEKWQEGDDPLDDHTRCFPNCPFLQNMKSSAEVTPDLQSRGELCELLETTSSEN
LED SIAVGPIVPEMAQGEAQWFQEAKNLNEQLRAAYTSASFRHMSLLDISSDLATDHL LGCDLSIASKHISKPVQ
EPIVLPEVFGNLNSVMCVEGEAGSGKTVLLKKIAFLWASGCCPLLNRFLV FYLSLSSTRPDEGLASIICDQLLE
KEG SVTEMCMRNIIQQLKNQVLFLLDDYKEICSIPQVIGKLIQKNHLSRTCLLI AVRTNRARDIRRYLETILEIK
AFPFYNTVCILRKLF SHNMTRLRKFMVYFGKNQSLQKI QKTPLFVA AICAHWFQYFPDPSFDDVAVFKSYMERLS
LRNKATAEILKATVSSCGELALKGFFSCCFEFNDDDLAEAGVDEDEDLTMC LMSKFTAQRLRPFYRFLSPA FQEF
LAGMRLIELLDSRQEHQDLGLYHLKQINSPMMTVSAYNNFLNYVSSLPSTKAGPKIVSHLLHLVDNKESLENIS
ENDDY LKHQPEISLQMQLLRGLWQICPQAYFSMVSEHLLVLALKTAYQSN TVAACSPFVLQFLQGRITLT LGALNL
QYFFDHPESLSLLRSIHFP IIRGNKTS PRAHFSVLETCFDKSQVPTIDQDYASAFEP MNEWERNLAEKEDNVKSYM
DMQRRASPD LSTGYWKLSPKQYKIPC LEVDVNDIDVVGQDMLEILMTVFSASQRIELHLNHSRGFTIESIRPALEL
SKASVTKCSISKLELSAAEQELLLTLP SLESLEVSGTIQSQDQIFPNLDKFLCLKELSVDLEGNINVFSVIPEEF
PNFHHMEKLLIQISAEYDPSKLVKLIQNSPNLHV FHLKCNFFSDFGSLMTMLV SCKKLTEIKFSDSFFQAVPFVA
SLPNFISLKI LNLEGQQFPDEETSEKFAYILGSLSNLEELILPTGDGIYRVAKLIIQQCQQLHCLRVLSFFKTLN
DDSVVEIAKVAISGGFQKLENLKL SINHKITEEGYRNFFQALDNMPNLQELDISRHFTECIKAQATT VKSLSQCV
LRLPRLIRLNLMSWLLDADDIALLNVMKERHPQSKYLTILQKWILPFSP IIQK

1083/2825
FIGURE 956

TCCCAGCTGCGCGTCGTCAGTCCCGACGCGAGAAGGGCTGGAGTCGGCGTCCAGCCTAGAGCCCCGGTGGGAGCC
AGGCCGGGACGCGTGCACCATGCCCCTACCTGCTCATCAGCACCCAGATCCGCATGGAGGTGGGCCCCACTATGGT
GGGCGATGAACAGTCGGATCCAGAGCTGATGCAGCATCTGGGGGCTTCAAAGAGAAGAGCCTTGGGAAACAACCTT
TTATGAATACTACGTCGATGACCCTCCCCGCATAGTCCTGGACAAGCTGGAACGCAGGGGCTTCCGTGTGCTGAG
CATGACGGGGGTGGGCCAGACGCTGGTGTGGTGTCTGCACAAGGAGTGACCTTCTCATGCTGATTTGCAGACGGG
GCACCCCTGTGGAGGGGCTGCTGTGGGCCCTGACCTCCAAGCTCCTGCCTCACCGTCTGCCTTGCTCCTCTCTTC
CCAAATCATCACCGCCATGGGCCAGCCCCAAAGGGCAGTGAATGGCCTTCTCTGAAACCCTGCGTCAAGCAGTG
GGAGAGGGCAGTGCCCGGTGCCCTGGTGTCTCCAGCTGCCCTCCTGCTTCGGGCCTGGGCCGAGGGCCTTGTGTA
GGCCATGTTCTCGGGCAGCTGCCCCGGGCCGGAGCTGGGCACTCCAGCGGCCCTGGCGCGTGGCTCCTGCATAG
CTAGCCCAAGCCAATAAAGGGCTGTGATGAGTGGCTGC

1084/2825
FIGURE 957

MPYLLISTQIRMEVGPTMVGDEQSDPELMQHLGASKRRALGNNFYEYYVDDPPRIVLDKLERRGFRVLSMTGVGQ
TLVWCLHKE

1085/2825
FIGURE 958

GGAAAGGAAGGTTTAAAATAATTAATTTAAAATGTCATAAGTATAGACTGATGACTGTATAGAGATGTGAAATG
TATAATTACACATGGAAGCAATATGTTGCTGTGTTGTTATTAGGTTTTTTTGTGTTTTGTTTTCTACATCTTTTAA
AGACTTTTGGAAATTTGGCTGAACAATTAGAACACAACAGGCCAACTCATACTCATTGATCTATTTAGACAAC
GTTAACCAATATATCTATAGCTTTAGATTATATTGATAAAAAGTAATTGGACTTTTTTTCTTTTTTTGACTCGTT
GACAAGTGTCCTTGTAAATATGTTTTTAGTTCCCTTTTTTTGTTGTATTATAGGCAGATGAACAAATTAAATTTGG
CCTCAAAGAGAGAACTTACTCCCTTCTGGATATTTTTGCCACATTTCTTTGCAAAAGGAGATATATATATCTTTA
GTCAGTTTTGTTGTTATGAGAAATTATGGGTTATTTTGTGGCATGCTCTTTGGGAGCTGCACAGTTATGAGGAGG
ACTCCCACTGCTGTGCAAGTTAAGTCTTTTACAAAACAAGGACAGCAGAGGAGGGTTTGCAGAGACCTCCCTCTG
AAAAACACAAAGAATGGACTCTCTCCTGGGATGAGGACTTGCTTTCTTTACCTCCGGTTCTTTCCATGTCTTAGT
TGGATGTCCCTGAAATGGACACAGGCTGTGCATTGTGCCAGAAACATTGTGTTATCTTTTATGTTGTTGTTGTTG
CTGTTAAACTATAATATGACTTCTTTTTTTTATTATTTTTTGTGTTGAATGCTTTAAAAATCTTTAAGTCTGTGG
ACTGCTGATGTACAGTGCCTTTGCTGCTATGGATCAAATCAAAGACCGTGTAGATATACTTTATTGTATAAGTAG
AAAATTACTTAATTTCACTAGAAATGGATGGATGCTGCAAGTTGAAATGGACTGTCCATTGACGTTCCCTAATG
TGGTAGCAGAAAAAATGGTGTCTTAAGTGCTTAGTGTTTGATGTCATTAACAGTTTCGTAAAACTCTACAGTGT
AGAAAGATTTTGATACTAACTGTGCGTTGTACATAGTTCTAATGCATTGTATTGACCACCAGTACTTCTATAAT
GGTAGATTGTTGTGAATTCAGACTTTTAAGCATTAAACATAAATAACTTCT

1086/2825
FIGURE 959

MGRTP TAVQVKSFTKQGQRRVCRDLPLKNTKNGLSPGMRTCFLYLRFFPCLSWMSLKWTQAVHCARNIVLSFML
LLLLLLNYNM

1087/2825
FIGURE 960

GAGGCGAACCGGAGCGCGGGGCCGCGGTCGCCCCGACCAGAGCCGGGAGACCGCAGCACCCGCAGCCGCCCGCGA
GCGCGCCGAAGACAGCGCGCAGGCGAGAGCGCGCGGGCGGGGGCGCGCAGGCCCTGCCCGCCCCCTTCCGTCCCCA
CCCCCTCCGCCCTTTCTCTCTCCCCACCTTCTCTCGCCTCCCGCGCCCCCGCACCCGGGCGCCACCCCTGTCTCT
CTCTGCGGGAGCGTTGTCCGTGTTGGCGGCCGCGAGCGGGCCGGGCCGGTCCGGCGGGCCGGGGGATGGCGCTGC
TGGACCTGGCCTTGGAGGGAATGGCCGTCTTCGGGTTCTGTCCTCTTCTTGGTGCTGTGGCTGATGCATTTTCATGG
CTATCATCTACACCCGATTACACCTCAACAAGAAGGCAACTGACAAACAGCCTTATAGCAAGCTCCCAGGTGTCT
CTCTTCTGAAACCACTGAAAGGGGTAGATCCTAACTTAATCAACAACCTGGAAACATTCTTTGAATTGGATTATC
CCAAATATGAAGTGCTCCTTTGTGTACAAGATCATGATGATCCAGCCATTGATGTATGTAAGAAGCTTCTTGGA
AATATCCAAATGTTGATGCTAGATTGTTTATAGGTGGTAAAAAGTTGGCATTAACTCTAAAATTAATAATTTAA
TGCCAGGATATGAAGTTGCAAAGTATGATCTTATATGGATTTGTGATAGTGGAATAAGAGTAATTCAGATACGC
TTACTGACATGGTGAATCAAATGACAGAAAAAGTAGGCTTGGTTACGGGCTGCCTTACGTAGCAGACAGACAGG
GCTTTGCTGCCACCTTAGAGCAGGTATATTTTGGAACTTCACATCCAAGATACTATATCTCTGCCAATGTAACGT
GTTTCAAATGTGTGACAGGAATGTCTTGTTTAATGAGAAAAGATGTGTTGGATCAAGCAGGAGGACTTATAGCTT
TTGCTCAGTACATTGCCGAAGATTACTTTATGGCCAAAGCGATAGCTGACCGAGGTTGGAGGTTTGCAATGTCCA
CTCAAGTTGCAATGCAAACTCTGGCTCATATTCAATTTCTCAGTTTCAATCCAGAATGATCAGGTGGACCAAAC
TACGAATTAACATGCTTCCTGCTACAATAATTTGTGAGCCAATTTTCAAGATGCTTTGTTGCCAGTTTAATTATTG
GATGGGCAGCCCACCATGTGTTTCTAGATGGGATATTATGGTATTTTTCATGTGTTCATTGCCTGGCATGGTTTATAT
TTGACTACATTCAACTCAGGGGTGTCCAGGGTGGCACACTGTGTTTTTCAAACCTTGATTATGCAGTCGCCTGGT
TCATCCGCGAATCCATGACAATATACATTTTTTTTGTCTGCATTATGGGACCCAACTATAAGCTGGAGAACTGGTC
GCTACAGATTACGCTGTGGGGGTACAGCAGAGGAAATCCTAGATGTATTAACCTACAGCTTTGTGACTGTATATAAA
GGAAAAAAGAGAAGTATTATAAATTATGTTTATATAAATGCTTTTAAAAATCTACCTTCTGTAGTTTTATCACAT
GTATGTTTTGGTATCTGTTCTTTAATTTATTTTTTGCATGGCACTTGCATCTGTGAAAAAAA

1088/2825
FIGURE 961

MALLDLALEGMAVFGFVLFLVLWLMHFMAIIYTRLHLNKKATDKQPYSKLPGVSLKPLKGVDPNLINNLETFFE
LDYPKYEVLLCVQDHDDPAIDVCKKLLGKYPNVDARLFIGGKKVGINPKINNLMPGYEVAKYDLIWICDSGIRVI
PDTLTDMVNQMTEKVGLVHGLPYVADRQGFAATLEQVYFGTSHPRYYISANVTGFKCVTGMSCLMRKDVLDQAGG
LIAFAQYIAEDYFMAKAIADRGWRFAMSTQVAMQNSGSYSISQFQSRMIRWTKLRINMLPATIICEPISECFVAS
LIIGWAAHHVFRWDIMVFFMCHCLAWFIFDYIQLRGVQGGTLCFSKLDYAVAWFIRESMTIYIFLSALWDPTISW
RTGRYRLRCGGTAEIILDV

1089/2825
FIGURE 962A

AAAGAGCTGGAGGCGCGCAGGCCGGCTCCGCTCCGGCCCCGGACGATGCGGCGCGCCCAGG**ATG**CTGCCGTGCCT
CGTAGTGCTGCTGGCGGCGCTCCTCAGCCTCCGTCTTGGCTCAGACGCTCATGGGACAGAGCTGCCAGCCCTCC
GTCTGTGTGGTTTGAAGCAGAATTTTTCCACCACATCCTCCACTGGACACCCATCCCAAATCAGTCTGAAAGTAC
CTGCTATGAAGTGGCGCTCCTGAGGTATGGAATAGAGTCCTGGAACCTCCATCTCCAACCTGTAGCCAGACCCCTGTC
CTATGACCTTACCGCAGTGACCTTGGACCTGTACCACAGCAATGGCTACCGGGCCAGAGTGCGGGCTGTGGACGG
CAGCCGGCACTCCAACCTGGACCGTCACCAACACCCCGCTTCTCTGTGGATGAAGTGAAGTCTGACAGTTGGCAGTGT
GAACCTAGAGATCCACAATGGCTTCATCCTCGGGAAGATTAGCTACCCAGGCCCAAGATGGCCCCCGGAATGA
CACATATGAAAGCATCTTCAGTCACTTCCGAGAGTATGAGATTGCCATTGCAAGGTGCCGGGAAACTTCACGTT
CACACACAAGAAAGTAAACATGAAACTTCAGCCTCCTAACCTCTGGAGAAGTGGGAGAGTTCTGTGTCCAGGT
GAAACCATCTGTGCTTCCCGAAGTAACAAGGGGATGTGGTCTAAAGAGGAGTGATCTCCCTCACCAGGCAGTA
TTTACCGTGACCAACGTATCATCTTCTTTGCCTTTGTCTGCTGCTCTCCGGAGCCCTCGCCTACTGCCTGGC
CCTCCAGCTGTATGTGCGGCGCCGAAAGAAGCTACCCAGTGTCTGCTCTTCAAGAAGCCAGCCCCCTTCATCTT
CATCAGCCAGCGTCCCTCCCCAGAGACCCAAGACACCATCCACCCGCTTGATGAGGAGGCCTTTTTGAAGGTGTC
CCCAGAGCTGAAGAACTTGGACCTGCACGGCAGCACAGACAGTGGCTTTGGCAGCACCAAGCCATCCCTGCAGAC
TGAAGAGCCCCAGTTCTCTCCTGACCCCTACCCCCAGGCTGACAGAACGCTGGGAAACGGGGAGCCCCCTGT
GCTGGGGGACAGCTGCAGTAGTGGCAGCAGCAATAGCACAGACAGCGGGATCTGCCTGCAGGAGCCAGCCTGAG
CCCCAGCACAGGGCCACCTGGGAGCAACAGGTGGGGAGCAACAGCAGGGGCCAGGATGACAGTGGCATTGACTT
AGTTCAAACTCTGAGGGCCGGGCTGGGGACACACAGGGTGGCTCGGCCTTGGGCCACCACAGTCCCCCGGAGCC
TGAGGTGCCTGGGGAAGAAGACCCAGCTGCTGTGGCATTCCAGGGTTACCTGAGGCAGAÇCAGATGTGCTGAAGA
GAAGGCAACCAAGACAGGCTGCCTGGAGGAAGAATCGCCCTTGACAGATGGCCTTGGCCCCAAATTCGGGAGATG
CCTGGTTGATGAGGCAGGCTTGCATCCACCAGCCCTGGCCAAGGGCTATTTGAAACAGGATCCTCTAGAAATGAC
TCTGGCTTCTCAGGGGGCCCCAACGGGACAGTGGAACCAGCCCACTGAGGAATGGTCACTCCTGGCCTTGAGCAG
CTGCAGTGACCTGGGAATATCTGACTGGAGCTTTGCCCATGACCTTGCCCTCTAGGCTGTGTGGCAGCCCCAGG
TGGTCTCCTGGGCAGCTTTAACTCAGACCTGGTCAACCTGCCCTCATCTCTAGCCTGCAGTCAAGTGAG**TGAC**CT
CGGGCTGAGAGGCTGCTTTTGAATTTAGCCATGCCTGCTCCTCTGCCTGGACCAGGAGGAGGGCCCTGGGGCAGA
AGTTAGGCACGAGGCAGTCTGGGCACCTTTTCTGCAAGTCCACTGGGGCTGGCCAGCCAGGCTGCAGGGCTGGTCT
AGGGTGTCTGGGGCAGGAGGAGGCCAACTCACTGAAGTAGTGAGGGTATGTGGGTGGCACTGACCTGTTCTGTT
GACTGGGGCCCTGCAGACTCTGGCAGAGCTGAGAAGGGCAGGGACCTTCTCCCTCCTAGGAACCTCTTCTGTAT
CATAAAGGATTATTTGCTCAGGGGAACCATGGGGCTTCTGGAGTTGTGGTGAGGCCACCAGGCTGAAGTCAGCT
CAGACCCAGACCTCCCTGCTTAGGCCACTCGAGCATCAGAGCTTCCAGCAGGAGGAAGGGCTGTAGGAATGGAAG
CTTCAGGGCCTTGCTGCTGGGGTCATTTTTAGGGGAAAAAGGAGGATATGATGGTCACATGGGGAACCTCCCTC
ATCGGGCCTCTGGGGCAGGAAGCTTGTCACTGGAAGATCTTAAGGTATATATTTTCTGGACACTCAAACACATCA
TAATGGATTCACTGAGGGGAGACAAAGGGAGCCGAGACCCCTGGATGGGGCTTCCAGCTCAGAACCCATCCCTCTG
GTGGGTACCTCTGGCACCCATCTGCAAATATCTCCCTCTCTCCAACAAATGGAGTAGCATCCCCCTGGGGCACTT
GCTGAGGCCAAGCCACTCACATCCTCACTTTGCTGCCCCACCATCTTGCTGACAACTTCCAGAGAAGCCATGGTT
TTTTGTATTGGTCATAACTCAGCCCTTTGGGCGGCCTCTGGGCTTGGGCACCAGCTCATGCCAGCCCCAGAGGGT
CAGGGTTGGAGGCTGTGCTTGTGTTTGTGCTAATGTCCAGCTACAGACCCAGAGGATAAGCCACTGGGCACTG
GGCTGGGGTCCCTGCCTTGTGGTGTTCAGCTGTGTGATTTGGACTAGCCACTTGTGAGAGGGCTCAATCTCC
CATCTGTGAAATAAGGACTCCACCTTTAGGGGACCCCTCCATGTTTGTGGGTATTAGCCAAGCTGGTCTGGGAG
AATGCAGATACTGTCCGTGGACTACCAAGCTGGCTTGTCTTATGCCAGAGGCTAACAGATCCAATGGGAGTCC
ATGGTGTGATGCCAAGACAGTATCAGACACAGCCCCAGAAGGGGGCATTATGGGCCCTGCCTCCCCATAGGCCAT
TTGGACTCTGCCTTCAAACAAAGGCAGTTCAGTCCACAGGCATGGAAGCTGTGAGGGGACAGGCCTGTGCGTGCC
ATCCAGAGTCATCTCAGCCCTGCCTTTCTCTGGAGCATCTGAAAACAGATATTCTGGCCCAGGGAAATCCAGCCA
TGACCCCCACCCCTCTGCCAAAGTACTCTTAGGTGCCAGTCTGGTAACTGAACTCCCTCTGGAGGCAGGCTTGAG
GGAGGATTCCCTCAGGGTTCCCTTGAAAGCTTTATTTATTTATTTTGTTCATTTATTTATTGGAGAGGCAGCATTG
CACAGTGAAAGAATTCTGGATATCTCAGGAGCCCCGAAATCTAGCTCTGACTTTGCTGTTTCCAGTGGTATGAC
CTTGGAAGAAGTCATTATCCTCTTGGAGCCTCAGTTTCTCATCTGCAGAATAATGACTGACTTGTCTAATTTCAT
AGGGATGTGAGGTTCTGCTGAGGAAATGGGTATGAATGTGCCTTGAACACAAAGCTCTGTCAATAAGTGATACAT

1090/2825
FIGURE 962B

GTTTTTTATTCCAATAAATTGTCAAGACCACA

1091/2825
FIGURE 963

MLPCLVLLAALLSLRLGSDAHGTELPSPPSVWFEEFFHHILHWTPIPNQSESTCYEVALRLRYGIESWNSISNC
SQTLSYDLTAVTLDLYHSNGYRVRVAVDGSRHSNWTVTNTRFSVDEVTLTVGSVNLEIHNGFILGKIQLPRPKM
APANDTYESIFSHFREYEIAIRKVPGNFTFTHKKVKHENFSLTSGEVGEFCVQVKPSVASRSNKGMSKEECIS
LTRQYFTVTNVIIFFAFVLLLSGALAYCLALQLYVRRRKKLPSVLLFKKPSPFIFISQRPSPETQDTIHPLDEEA
FLKVSPDLKNLDLHGSTDGSGFGSTKPSLQTEEPQFLLPDHPQADRTLGNGEPPVLGDSCSSGSSNSTDSGICLQ
EPSLSPSTGPTWEQQVGSNSRGQDDSGIDLQNSEGRAGDTQGGGALGHHSPPEPEVPGEEDPAAVAFQGYLRQT
RCAEEKATKTGCLLEESPLTDGLGPKFGRCLVDEAGLHPPALAKGYLKQDPLEMTLASSGAPTQQWNQPTTEEWSL
LALSSCSDLGISDWSFAHDLAPLGCVAAPGGLLGSFNSDLVTLPLISSLQSSE

1092/2825
FIGURE 964

CAGTGTGTTGGTGTGCAAGCAGGATCCAAAGGAGACCTATAGTGACTCCCAGGAGCTCTTAGTGACCAAGTGAAG
GTACCTGTGGGGCTCATTGTGCCCATTTGCTCTTTCACTGCTTTCAACTGGTAGTTGTGGGTTGAAGCACTGGACA
ATGCCACATACTTTGTGGATGGTGTGGGTCCTGGGGGTCATCATCAGCCTCTCCAAGGAAGAATCCTCCAATCAG
GCTTCTCTGTCTTGTGACCGCAATGGTATCTGCAAGGGCAGCTCAGGATCTTTAAACTCCATTCCCTCAGGGCTC
ACAGAAGCTGTAAAAAGCCTTGACCTGTCCAACAACAGGATCACCTACATTAGCAACAGTGACCTACAGAGGTGT
GTGAACCTCCAGGCTCTGGTGTGCTGACATCCAATGGAATTAACACAATAGAGGAAGATTCTTTTTCTTCCCTGGGC
AGTCTTGAACATTTAGACTTATCCTATAATTACTTATCTAATTTATCGTCTTCCTGGTTCAAGCCCCCTTTCTTCT
TTAACATTCTTAAACTTACTGGGAAATCCTTACAAAACCTTAGGGGAAACATCTCTTTTTTCTCATCTCACAAAA
TTGCAAATCCTGAGAGTGGGAAATATGGACACCTTCACTAAGATTCAAAGAAAAGATTTTGCTGGACTTACCTTC
CTTGAGGAACCTGAGATTGATGCTTCAGATCTACAGAGCTATGAGCCAAAAAGTTTGAAGTCAATTCAGAATGTA
AGTCATCTGATCCTTCATATGAAGCAGCATATTTTACTGCTGGAGATTTTTGTAGATGTTACAAGTTCCGTGGAA
TGTTTGGAAC TGCGAGATACTGATTTGGACACTTTCCATTTTTTCAGAACTATCCACTGGTGAAACAAATTCATTG
ATTAAAAAGTTTACATTTAGAAATGTGAAAATCACCGATGAAAGTTTGTTCAGGTTATGAACTTTTGAATCAG
ATTTCTGGATTGTTAGAATTAGAGTTTGATGACTGTACCCTTAATGGAGTTGGTAATTTTAGAGCATCTGATAAT
GACAGAGTTATAGATCCAGGTAAAGTGGAACGTTAACAATCCGGAGGCTGCATATTCCAAGGTTTTACTTATTT
TATGATCTGAGCACTTTATATTCACTTACAGAAAGAGTTAAAAGAATCACAGTAGAAAACAGTAAAGTTTTTCTG
GTTCTTGTGTTACTTTTACAACATTTAAAATCATTAGAATACTTGGATCTCAGTGAAAATTTGATGGTTGAAGAA
TACTTGAAAAATTCAGCCTGTGAGGATGCCTGGCCCTCTCTACAACTTTAATTTTAAAGGCAAAATCATTGGCA
TCATTGGAAAAAACCGGAGAGACTTTGCTCACTCTGAAAAACTTGACTAACATTGATATCAGTAAGAATAGTTTT
CATTCTATGCCTGAACTTGTGAGTGGCCAGAAAAGATGAAATATTTGAACTTATCCAGCACACGAATACACAGT
GTAACAGGCTGCATTCCCAAGACACTGGAAATTTTAGATGTTAGCAACAACAATCTCAATTTATTTTCTTTGAAT
TTGCCGCAACTCAAAGAACTTTATATTTCCAGAAATAAGTTGATGACTCTACCAGATGCCTCCCTCTTACCCATG
TTACTAGTATTGAAAATCAGTAGGAATGCAATAACTACGTTTTCTAAGGAGCAACTTGACTCATTTCACACACTG
AAGACTTTGGAAGCTGGTGGCAATAACTTCATTTGCTCCTGTGAATTCCTCTCCTTCACTCAGGAGCAGCAAGCA
CTGGCCAAAGTCTTGATTGATTGGCCAGCAAATTACCTGTGTGACTCTCCATCCCATGTGCGTGGCCAGCAGGTT
CAGGATGTCCGCTCTCGGTGTGGAATGTACAGGACAGCACTGGTGTCTGGCATGTGCTGTGCTCTGTTCTCTG
CTGATCCTGTCTACGGGGTCTGTGCCACCGTTTCCATGGCCTGTGGTATATGAAAATGATGTGGGCTTGGCTC
CAGGCCAAAAGGAAGCCAGGAAAGCTCCAGCAGGAACATCTGCTATGATGCATTTGTTTCTTACAGTGAGCGG
GATGCCTACTGGGTGGAGAACCTTATGGTCCAGGAGCTGGAGAACTTCAATCCCCCTTCAAGTTGTGTCTTCAT
AAGCGGGACTTCATTCTGGCAAGTGGATCATTGACAATATCATTGACTCCATTGAAAAGAGCCACAAAACGTGC
TTTGTGCTTTCTGAAAACTTTGTGAAGAGTGAGTGGTGCAAGTATGAACTGGACTTCTCCATTTCCGTCTTTTT
GATGAGAACAATGATGCTGCCATTCTCATTCTTCTGGAGCCATTGAGAAAAAGCCATTCCCCAGCGCTTCTGC
AAGCTGCGGAAGATAATGAACACCAAGACCTACCTGGAGTGGCCATGGACGAGGCTCAGCGGAAGGATTTTG
GTAAATCTGAGAGCTGCGATAAAGTCCTAGGTTCCCATATTTAAGACCAGTCTTTGTCTAGTTGGGATCTTTATG
TCACTAGTTATAGTTAAGTTCATTACAGACATAATTATATAAAAACTACGTGGATGTACCGTCATTTGAGGA

1093/2825
FIGURE 965

MPHTLWMVWVLGVIIISLSKEESSNQASLSCDRNGICKGSSGSLNSIPSGLTEAVKSLDLSNNRITYISNSDLQRC
VNLQALVLTSGINTIEEDSFSSLGSLHLDLSYNYLSNLSSSWFKPLSSLTFLNLLGNPYKTLGETSLFSHLTK
LQILRVGNMDTFTKIQRKDFAGLTFLLEEELEIDASDLQSYEPKSLKSIQNVSHLILHMKQHILLLEIFVDVTSSVE
CLELRDTDLDTFHFSELSTGETNSLIKKFTFRNVKITDESLEFQVMKLLNQISGLLELEFDDCTLNGVGNFRASDN
DRVIDPGKVETLTIRRLHIPRFYLFYDLSTLYSLTERVKRITVENSKVFLVPCLLSQHLKSLEYLDLSENLMVEE
YLKNSACEDAWPSLQTLILRQNHLSLEKTGETLLTLKNLTNIDISKNSFHSMPEQCQWPEKMKYLNLSSTRIHS
VTGCIPKTLLEILDVSNNNLNLFSLNLPQLKELYISRNKMLTLPDASLLPMLLVLKISRNAITTFKSKEQLDSFHTL
KTL EAGGNNFICSCEFLSFTQEQQALAKVLIDWPANYLCDSPSHVRGQQVQDVRLSVSECHRTALVSGMCCALFL
LILLTGVLCHRFHGLWYMKMMWAWLQAKRKPRKAPSRNICYDAFVSYSERDAYWVENLMVQELENFNPPFKLCLH
KRDFIPGKWIIDNIIDSIEKSHKTVFVLSENFVKSEWCKYELDFSHFRLEFDENNDAAAILILLEPIEKKAIPQRF
KLRKIMNTKTYLEWPMDEAQREGFWVNLRAAIKS

1094/2825
FIGURE 966

[illegible]

1095/2825
FIGURE 967

MATMVPSVLWPRACWTLLVCCLLTPGVQGQEFLLRVEPQNPVLSAGGSLFVNCSTDCPSSEKIALETSLSKELVA
SGMGWAAFNLNSVTGNSRILCSVYCNGSQITGSSNITVYGLPERVELAPLPPWQPVGQNFTRLRCQVEGGSPRTSL
TVVLLRWEEELSRQPAVEEPAEVTATVLASRDDHGAPFSCRTELDMQPQGLGLFVNTSAPRQLRTFVLPVTPPRL
VAPRFLEVETSWPVDCTLDGLFPASEAQVYLALGDQMLNATVMNHGDTLTATATATARADQEGAREIVCNVTLGG
ERREARENLTVFSFLGPIVNLSEPTAHEGSTVTVSCMAGARVQVTLDGVPAAAPGQPAQLQLNATESDDGRSFFC
SATLEVDDGEFLHRNSSVQLRVLYGPKIDRATCPQHLKWKDKTRHVLQCQARGNPYPELRCLKEGSSREVPVGIPF
FVNVTNNGTYQCQASSSRGKYTLVVVMDIEAGSSHFPVPFVAVLLTLGVVTIVLALMYVFREHQRSYHVREES
TYLPLTSMQPTEAMGEEPSRAE

[illegible]

1097/2825
FIGURE 969

MGSPAHRPALLLLLPPLLLLLLLLRVPPSRSPGSGDSPLEDDEVGYSHPRYKDTWCSPIKVKYGDVYCRAPQGG
YYKTALGTRCDIRCQKGYELHGSSLLICQSNKRWSKVICQKRCPTLAMPANGGFKCVDGAYFNSRCEYYCSPG
YTLKGERTVTCMDNKAWSGRPASCVDMEPPRIKCPVKERIAEPNKLTVRVSWETPEGRDTADGILTDVILKGLP
PGSNFPEGDHKIQYTVYDRAENKGTCKFRVKVRVKRCGKLNAPENGYMKCSSDGDNYGATCEFSIGGYELQGGP
ARVCQSNLAWSGTEPTCAAMNVNVGVRTAAALLDQFYEKRRLLIVSTPTARNLLYRLQLGMLQQAQCGLDLRHIT
VVELVGVFPTLIGRIGAKIMPPALALQLRLLLRIPLYSFSMVLVDKHGMDKERYVSLVMPVALFNLIDTFPLRKE
EMVLQAEMSQTCNT

1098/2825
FIGURE 970

ATTGAGAGTGGCTCTAACAAGTGCCATTTTTCCTTGTTAGCTTTTCATTTCTCAGCCCTTTACAAGATTAAAATAG
TCTGCAGTTTAAATCTCTCCAAAGCTTTACGGACAGTGATTCTGTCTTAAACAAGACAGTGACTCCAGGATTTCTG
AAGACTATTGTGGAAGAAGCATCCATTAAGGCCAAGCTATAACATCAGAAAATGGTGAATGAATACAAGAAAATTC
TTTTGCTGAAAGGATTTGAGCTCATGGATGATTATCATTTTACATCAATTAAGTCCTTACTGGCCCTATGATTTAG
GACTAACTACAAAAATGCAAGAGGAATACAACAGAATTAAGATTACAGATTTTGATGGAAAAAAGTTCCAAGGCG
TTGCCTGTCTAGACAAACTAATAGAACTTGCCAAAGATATGCCATCACTTAAAAACCTTGTTAACAATCTTCGAA
AAGAGAAGTCAAAAGTTGCTAAGAAAAATTAAACACAAGAAAAAGCTCCAGTGAAAAAATAAACCAGGAAGAAG
TGGGTCTTGCGGCACCTGCACCCACCGCAAGAAACAACTGACATCGGAAGCAAGAGGGAGGATTCCTGTAGCTC
AGAAAAGAAAACTCCAACAAAGAAAAGACTGAAGCCAAAGGAATAAGGTGTCCAAGAGCAGAGTAAGCCCC
CAGGTCCCTCAGGAGCCAGCACATCTGCAGCTGTGGATCATCCCCACTACCCAGACCTCATCATCAACTCCAT
CCAACACTTCGTTTACTCCGAATCAGGAAACCCAGGCCCAACGGCAGGTGGATGCAAGAAGAAATGTTCCCCAAA
ACGACCCAGTGACAGTGGTGGTACTGAAAGCAACAGCGCCATTTAAATACGAGTCCCCAGAAAATGGGAAAAGCA
CAATGTTTCATGCTACAGTGGCCAGTAAGACTCAATATTTCCATGTGAAAGTCTTCGACATCAACTTGAAAGAGA
AATTTGTAAGGAAGAAGGTCATTACCATATCTGATTACTCTGAATGTAAAGGAGTAATGGAAATAAAGGAAGCAT
CATCTGTGTCTGACTTTAATCAAAAATTTGAGGTCCCAAACAGAATTATCGAAATAGCAAATAAACTCCCAAGA
TCAGTCAACTTTACAAGCAAGCATCTGGAACAATGGTGTATGGGTGTTTTATGTTACAAAAGAAAAGCGTACACA
AGAAGAACACAATTTATGAAATACAGGATAATACAGGATCCATGGATGTAGTGGGGAGTGGAATAAGGCACAATA
TCAAGTGTGAGAAAGGAGATAAACTTCGACTCTTCTGCCTTCAACTGAGAACAGTTGACCGCAAGCTGAACTGG
TGTGTGGAAGTCACAGCTTCATCAAGGTCATCAAGGCCAAGAAAAACAAGGAAGGACCAATGAATGTTAATTGAA
ATATGAAAGCTGAAATGCAACAAACAACTTCGCTTAAACAATTAAGTTGTTAATAACTGTGATTTTGTAAATT
TCAGTAATTCATTTAAATGATGTTTCAGTAGATATATTCTAGCATATTAAGAGCTTTTATAACTGAGTTATAGAT
TAGTTTGCTTTCTGGAATAAAAATTTTCTTCTTATACTCTTCCTTTTTTTTAGATATTACATTTTGCTTTTATGAC
ATTCACGAGGCAAAAAACCG

1099/2825
FIGURE 971

MVNEYKKILLLLKGFELMDDYHFTSIKSLLAYDLGLTTKMQEEYNRIKITDLMEKKFQGVACLDKLIELAKDMPSL
KNLVNNLRKEKSKVAKKIQTQEKAPVKKINQEEVGLAAPAPTARNKLTSEARGRIPVAQKRKTPNKEKTEAKRKN
VSQEQSKPPGPSGASTSAAVDHPPLPQTSSSTPSNTSFTPNQETQAQRQVDARRNVPQNDPVTVVVLKATAPFKY
ESPENGKSTMFHATVASKTQYFHVKVFDINLKEKFVRKKVITISDYSECKGVMEIKEASSVSDFNQNFEPNRII
EIANKTPKISQLYKQASGTMVYGLFMLQKKSVHKKNTIYEIQDNTGSMDVVGSGKWHNIKCEKGDKLRLFLCLQLR
TVDRKLLVCGSHSFIKVIKAKKNKEGPMNVN

1100/2825
FIGURE 972

GGCCACCCAGTCA**ATG**GGGGACACCTTCATCCGTCACATCGCCCTGCTGGGCTTTGAGAAGCGCTTCGTACCCAGC
CAGCACTATGTGTACATGTTCCCTGGTGAAATGGCAGGACCTGTCGGAGAAGGTGGTCTACCGGCGCTTCACCGAG
ATCTACGAGTTCCATAAAACCTTAAAAGAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGAGAACAGGATC
ATCCCCCACCTCCCAGCTCCCAAGTGGTTTGACGGGCAGCGGGCCGCCGAGAACCGCCAGGGGCACACTTACCGAG
TACTGCAGCACGCTCATGAGCCTGCCCACCAAGATCTCCCGCTGTCCCCACCTCCTCGACTTCTTCAAGGTGCGC
CCTGATGACCTCAAGCTCCCCACAGACAACCAGACAAAAAAGCCAGAGACATACTTGATGCCCAAAGATGGCAAG
AGTACCGCGACAGACATCACCGGCCCCATCATCCTGCAGACGTACCGCGCCATTGCCGACTACGAGAAGACCTCG
GGCTCCGAGATGGCTCTGTCCACGGGGGACGTGGTGGAGGTCGTGGAGAAGAGCGAGAGCGGTTGGTGTTCTGT
CAGATGAAAGCAAAGCGAGGCTGGATCCCAGCATCCTTCCTCGAGCCCCTGGACAGTCCTGACGAGACGGAAGAC
CCTGAGCCCAACTATGCAGGTGAGCCATACGTCGCCATCAAGGCCTACACTGCTGTGGAGGGGGACGAGGTGTCC
CTGCTCGAGGGTGAAGCTGTTGAGGTCATTACAAGCTCCTGGACGGCTGGTGGGTCTATCAGGAAAGACGACGTC
ACAGGCTACTTTCCGTCCATGTACCTGCAAAAGTCGGGGCAAGACGTGTCCAGGCCCAACGCCAGATCAAGCGG
GGGGCGCCGCCCGCAGGTCGTCCATCCGCAACGCGCACAGCATCCATCAGCGGTGCGGGAAGCGCCTCAGCCAG
GACGCCTATCGCCGCAACAGCGTCCGTTTTCTGCAGCAGCGACGCCGCCAGGCGCGGCCGGGACCGCAGAGCCCC
GGGAGCCCGCTCGAGGAGGAGCGGCAGACGCAGCGCTCTAAACCGCAGCCGGCGGTGCCCCCGCGGCCGAGCGCC
GACCTCATCCTGAACCGCTGCAGCGAGAGCACCAAGCGGAAGCTGGCGTCTGCCGTCT**AG**AGGCTGGAGCGCAGTC
CCCAGCTAGCGTCTCGGCCCTTGCGCCCCGTGCCTGTACATACGTGTTCTATAGAGCCTGGCGTCTGGACGCCG
AGGGCAGCCCCGACCCCTGTCCAGCGCGGCTCCCGCCACCCTCAATAAATGTTGCTTGAGTGG

1101/2825
FIGURE 973

MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLEKMFPIEAGAINPENRIIPHL
PAPKWFDGQRAAENRQGTLECYCSTLMSLPTKISRCPHLLDFFKVRPDDLKLPTDNQTKKPETYLMPKDGKSTAT
DITGPIILQTYRAIADYEKTSGSEMASTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPN
YAGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWWVIRKDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPP
RRSSIRNAHSIHQSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEERQTQRSKPQPAVPPRP SADLIL
NRCSESTKRKLASAV

1102/2825
FIGURE 974A

AATTCGGCACGAGACAAAAAGAGAAAGAAAATGCGCGAAACCAATCAACGTAAGAGTAACTACAATGGATGCTGAG
CTGGAATTTGCCATTTCAGCCCAATACAACCTGGCAAACAACCTTTTTGACCAGGTGGTGAAAACAGTTGGTTTGCGT
GAGGTCTGGTTTTTTTGGGCTGCAGTATGTAGACAGCAAAGGTTATTCTACATGGCTTAAACTAAAATAAAAAGGTA
ACACAGCAGGATGTTAAAAAGAGAATCCTTTACAGTTCAAGTTTAGAGCTAAATTCCTTCTGAGATGTTTCT
GAGGAATTAATTCAAGAAATAACCCAGAGACTCTTCTTCTTGCAAGTTAAAGAAGCCATCTTAAATGATGAGATA
TATTGCCCCGCCAGAACTGCAGTTCTTTTGGCTTCCTATGCTGTCCAAGCCAAGTATGGAGATTACAATAAAGAG
ATTCATAAGCCAGGCTACCTGGCTAATGATAGACTCCTACCCAGCGTGTATTGGAACAACACAACTAACAAAA
GAACAGTGGGAAGAAAGAATACAGAAGTGGCATGAAGAACATAGAGGAATGTTAAGGGAGGATTCTATGATGGAA
TACCTGAAGATTGCACAAGATCTAGAAATGTATGGAGTCAACTATTTTGAAATAAAAAATAAAAAAGGAAGTAA
TTGTGGCTAGGTGTTGATGCTTTGGGTCTGAATATTTATGAGCATGACGACAAGTTAACACCTAAAATTGGTTTT
CCCTGGAGTGAAATCAGAAATATTTCAATTAATGACAAAAAATTTGTTATAAAGCCAATCGACAAAAAGGCACCT
GATTTTGTGTTTTATGCACCTCGTCTGAGAATCAATAAGCGGATTTTGGCCTTATGTATGGGAAACCATGAACCTA
TACATGCGAAGAAGGAAGCCTGATACTATTGAAGTACAACAGATGAAGGCTCAGGCTAGGGAGGAGAAACATCAG
AAGCAGTTGGAAAGGGCACAATTAGAGAATGAAAAGAAGAAAAGAGAAATAGCAGAAAAGGAAAAGGAAAGAATA
GAACGTGAAAAGGAAGAGCTAATGGAACGTCTAAAACAAATTGAAGAGCAGACAATTAAAGCTCAGAAAAGAACTA
GAAGAACAGACTCGAAAAGCTCTAGAAGTGGATCAAGAACGAAAACGAGCAAAAAGAAGAAGCAGAACGACTTGAA
AAGGAGCGTCGAGCTGCTGAAGAGGCAAAGTCTGCCATAGCAAAACAAGCTGCCGACCAGATGAAGAATCAGGAG
CAGCTAGCAGCAGAACTTGCTGAATTCAGTCCCAAGATTGCACCTCTAGAGGAAGCCAAGAAGAAAAAGGAAGAG
GAAGCAACTGAGTGGCAACACAAAGCTTTTGAGCCCGAGGAAGACTTGAAAAGACCAAGAAGAGTTAAAAACT
GTGATGTCTGCCCCCCTCCACCTCCACCACCACAGTCATTCTCCAACAGAAAACGAACATGATGAACACGAT
GAGAATAATGCTGAAGCTAGTGTGAATTATCAAAATGAAGGGGTAATGAACCATAGAAGCGAGGAAGAAGCTGTA
ACCGAAAACACAGAAAAATGAGCGTGTTAAGAAGCAACTTCAGGCATTAAGTTTCAAGATTAGCCCCAAGCCAGAGAT
GAAAACCAAGAAAACACAAAATGATGTTCTTCATGCTGAGAATGTTAAAGCAGGCCGTGATAAGTACAAGACTCTG
CGACAGATTCGACAAGGCAATACAAAGCAGCGTATCGATGAGTTTGAAGCAATGTCAGAGCTGTTATTTTGCATA
TATGTTCTTCATAAGCTGAACCACCAACAGAGAAAAAGCAGGCCTTTGCAGATATGATGGAATGCATCCACCTTG
CCAAAGCACTTACACCAGTTTGACTGTGCTAGCTAAAAGACAAATTTAAGGGGAGCTCTTCAACATTAAGGCAGT
ATGATATCATGCTTGTTTTCTTTTTCTTTTGGTCCAGGGAATGGAGAATGGTGTTCCATTGCCTCTTTTCACA
TTTTTTTTCTTTTTCTTTTTTTTTCTGTTGAAGATTAACTAATTATCACGCTGACAAATGTGTATGTGTGG
TTTCAGTTCTGTGTACATTTTAAAGGATAATGGTGAACATTTTAAAGGGTTTCCCTTGCCCTTTCATATTTAAC
CTATTTCCACATTCTCTCTCACTCACATTTTCTCAGTGTGCCCTTCTCTTATCTGCCATGTCCATAGCCATAATT
CCACCATCATACAGATCAGGCAGTGTTTAAATGATGGTAGGTAGCACAGTGGACAGTCTTTGATCATCATGTAG
AATATGGCTATGAATCAGGAAAGAGATTAGAACATTTAATAATGTATGTACAGCTGGTGCTTAGTTTTTTTTTAA
TCTAAATTTAATTACCTTATTGGATATTTGATATTTGGTTATTTAATCACAGTCATCTTTAACAGCTTACACTGA
TTGGTGTTTTATCTCCTGTGATCCTTTGATGGCTTTTTTGCCTACCATTTACAGAGGTTTAGACAGCAGTAGT
AGCTCCCTAGGAGAGTTTACTGATGAAACAGCCTCTGCAAGATTTTAAAGTTTTGTTCTTTTATAGACTGATTT
AGAAAAACAAATGATTAGTTAAAAAAGAAAATATACATTTGTTGGTAACTAATGTTATTTTTTAAACCTGGAC
CTTTCTGGAAGGGCAGCATATAAAAACATCAGTCCCGAGGAGGGGACAACAATACTACCTCACTACTACATCTGT
GATGACTGGTTGTTCAAACACAATGGAGTGTGTAAGGTATATGTTTTATAATTCATAACCATAGCCTCGATCATC
AAGAAATACCTTCGAAATTTCAATTTTCTTTCAGAAATATCTTAAGAGTGCTAAATTTTAACTGCCTTTTTGTGCA
GTCAAACCTGTGGGATTCTGATTTGTATTAAAATTGTAAGCTCCTCACTGGTATACTATCATCCTGGAGGGGTGTT
GTATGGCTGAGCAAGAGAGAGAGAGAATGAGAGAGAGACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT
GTATGAGAGAGAGAGAGAAATGCTAACCTTGTAGCATGTGAAGAAATGCTGTACCTTGATACGATAGTTACATAA
TCAGTATATTTGGTTTCTAGATCACTGTGCTTATTTTTGTTTCAATCTCTGACTAAAAATACTTAAATTTGGTTTG
TTAATTCCTTATTTTAGAAATTATAATTTTAGTTTATATTAATTTTCGGTTATAGCTTACTGAAGAAATCTTTCCAG
TTAGAAGGAGGTTCTAATATTCACATGTTCTAATACTTTGTTTATTGTAAACAGCTAAATTTGGAGATACGTAA
AGCCTTGTTTTCTCTGTGTGGTTCAGCTACTTTCCATTTGGTATTACACAGTCAAATTTACATTTATCTATTAA
ATTGCCATTTTATTAAACATTTTCATGCACAGTAGATTCAAGTTGTGTCTGAAAATATCTCTTGTGCTTTTTTGA
TTTTGCTGACTTTAAAGGATTAATCTGGGCAGACATTATGTAAAAGAAAGGTTGCGTTTAAATATATTTTTTGA

1103/2825

FIGURE 974B

CTTTGTAGGACAAAACATAGCTGGTTAACCTTGAAGTGACTGTTGTACCATGGTTGTGCACATGCTTCAGAATCC
TATGGAAGAGAATATTCCTACTTGCACTACATCAAAGGAATGGATGGTGGACCCTACTATTCATGTTTTGAGACA
TAAATGTTCACTTTAAAGCAATTGCATAATAGATAAAAACCTGAACTTTCATTGGATTTTTGTTAATTTTCCTCA
TTTTGAATTATGTGCACTACCATAGCTACATCAGTTTGATACAGTATTGAAAAATTATCAGTTATATTTTGCTGT
TTATGATCTATTTGTAGATTAGGATTAAATGGATTTAATCCATTTTTAAGGCTGTGTGAATTTTCTAAACAAG
AACCATTTGCAATATGGATTTCTTAGAGATTAAACCAATTATAACTTATTAGCAGTCGCGAGCACATGTTTCATAT
AGTCAATGTAAAAATACACTAATGAGTATTTGGTAAATCCCAGTAGGCTTTTACCATTAGCATAATTTTGTGTTG
TACAATTAAGTTACAATTACATCTCTAATTTTGGATAATATTCATTGGTTAACAATAAAGTGACAAAAGCTCATG
CAAAAAAAAAAAAAAAAAAAAAA

1104/2825
FIGURE 975

MPKPINVRVTTMDAELEFAIQPNTTGKQLFDQVVKTVGLREVWFFGLQYVDSKGYSTWLKLNKKVTQQDVKKENP
LQFKFRAKFFPEDVSEELIQEITQRLFFLQVKEAILNDEIYCPEAVLLASYAVQAKYGDYNKEIHKPGYLAND
RLLPQRVLEQHKLITKEQWEERIQNWHEEHARGMLREDSMMEYLKIAQDLEMYGVNYFEIKNKKGTTELWLGVDALGL
NIYEHDDKLTPKIGFPWSEIRNISFNDKKFVIKPIDKKAPDFVIFYAPRLRINKRILALCMGNHELYMRRRKPDIT
EVQOMKAQAREEKHQKQLERAQLENEKKKREIAEKEKERIEREKEELMERLKQIEEQTIKAQKELEEQTRKALEL
DQERKRAKEEAERLEKERRAAEEAKSAIAKQAADQMKNQEQLAELAETAKIALLEEAKKKKEEEATEWQHKA
AAQEDLEKTKEELKTVMSAPPPPPPPVIPPTENEHDEHDENNAEASAELSNEGVMNHRSEEERTETQKNERVK
KQLQALSSELAQARDETKKTQNDVLHAENVKAGRDKYKTLRQIRQGNTKQRIDEFEAM

1105/2825
FIGURE 976

ACTTCCCTGTTCACTTTGGTTCCAGCATCCTGTCCAGCAAAGAAGCAATCAGCCAAAATGATACCTGGAGGCTTA
TCTGAGGCCAAACCCGCCACTCCAGAAATCCAGGAGATTGTTGATAAGGTTAAACCACAGCTTGAAGAAAAACA
AATGAGACTTATGGAAAATTGGAAGCTGTGCAGTATAAACTCAAGTTGTTGCTGGAACAAATTACTACATTAAG
GTACGAGCAGGTGATAATAAATATATGCACCTTGAAAGTATTCAAAAGTCTTCCCGGACAAAATGAGGACTTGGTA
CTTACTGGATACCAGGTTGACAAAAACAAGGATGACGAGCTGACGGGCTTTTTAGCAGCATGTACCCAAAGTGTTT
TGATTCCTTCAACTGGCTACTGAGTCATGATCCTTGCTGATAAATATAACCATCAATAAAGAAGCATTCTTTTCC
A

1106/2825
FIGURE 977

MIPGGLSEAKPATPEIQEIVDKVKPQLEEKTNETYGKLEAVQYKTQVVAGTNYYIKVRAGDNKYMHLKVFKSLPG
QNEDLVLTGYQVDKNKDDELTGF

1107/2825
FIGURE 978A

GCCTGGCACC GGGGACCGTTGCCTGACGCGAGGCCAGCTCTACTTTTCGCCCCGCGTCTCCTCCGCCTGCTCGC
CTCTTCCACCAACTCCAACTCCTTCTCCCTCCAGCTCCACTCGCTAGTCCCCGACTCCGCCAGCCCTCGGCCCGC
TGCCGTAGCGCCGCTTCCCGTCCGGTCCCAAAGGTGGGAACGCGTCCGCCCGGCCCGCACCAATGGCACGGTTCTG
GCTTGCCCGCGCTTCTCTGCACCCTGGCAGTGCTCAGCGCCGCGCTGCTGGCTGCCGAGCTCAAGTCGAAAAGTT
GCTCGGAAGTGCGACGTCTTTACGTGTCCAAAGGCTTCAACAAGAACGATGCCCCCTCCACGAGATCAACGGTG
ATCATTGAAGATCTGTCCCCAGGGTTCTACCTGCTGCTCTCAAGAGATGGAGGAGAAGTACAGCCTGCAAAGTA
AAGATGATTTCAAAGTGTGGTCAGCGAACAGTGCAATCATTTGCAAGCTGTCTTTGCTTCACGTTACAAGAAGT
TTGATGAATTCTTCAAAGAAGTACTTGAAAATGCAGAGAAATCCCTGAATGATATGTTTGTGAAGACATATGGCC
ATTTATACATGCAAATTTCTGAGCTATTTAAAGATCTCTTCGTAGAGTTGAAACGTTACTACGTGGTGGGAAATG
TGAACCTGGAAGAAATGCTAAATGACTTCTGGGCTCGCCTCCTGGAGCGGATGTTCCGCTGGTGAATCCCAGT
ACCACTTTACAGATGAGTATCTGGAATGTGTGAGCAAGTATACGGAGCAGCTGAAGCCCTTCGGAGATGTCCCTC
GCAAATTGAAGCTCCAGGTTACTCGTGCTTTTGTAGCAGCCCGTACTTTTCGCTCAAGGCTTAGCGGTTGCGGGAG
ATGTCGTGAGCAAGGTCTCCGTGGTAAACCCACAGCCAGTGTACCCATGCCCTGTTGAAGATGATCTACTGCT
CCCCTGCGGGGTCTCGTGACTGTGAAGCCATGTTACAACACTACTGCTCAAACATCATGAGAGGCTGTTTGGCCA
ACCAAGGGGATCTCGATTTTGAATGGAACAATTTTCATAGATGCTATGCTGATGGTGGCAGAGAGGCTAGAGGGTC
CTTTCAACATTGAATCGGTCTATGGATCCCATCGATGTGAAGATTTCTGATGCTATTATGAACATGCAGGATAATA
GTGTTCAAGTGTCTCAGAAGGTTTTCCAGGGATGTGGACCCCCCAAGCCCTCCAGCTGGACGAATTTCTCGTT
CCATCTCTGAAAGTGCCTTCAGTGCTCGCTTCAGACCACATCACCCGAGGAACGCCCAACCACAGCAGCTGGCA
CTAGTTTGGACCGACTGGTTACTGATGTCAAGGAGAACTGAAACAGGCCAAGAAATTCTGGTCTCCCTTCCGA
GCAACGTTTGCAACGATGAGAGGATGGCTGCAGGAAACGGCAATGAGGATGACTGTTGGAATGGGAAAAGGCAAAA
GCAGGTACCTGTTTGCAGTGACAGGAAATGGATTAGCCAACCAGGGCAACAACCCAGAGGTCCAGGTTGACACCA
GCAAACCAGACATACTGATCCTTCGTCAAATCATGGCTCTTCGAGTGATGACCAGCAAGATGAAGAATGCATACA
ATGGGAACGACGTGGACTTCTTTGATATCAGTGATGAAAGTAGTGGAGAAGGAAGTGGAGTGGCTGTGAGTATC
AGCAGTGCCCTTCAGAGTTTGACTACAATGCCACTGACCATGCTGGGAAGAGTGCCAATGAGAAAAGCCGACAGTG
CTGGTGTCCTGCTGGGGCACAGGCCTACCTCCTCACTGTCTTCTGCATCTTGTTTCTGGTTATGCAGAGAGAGT
GGAGATTAATTCTCAAACCTCTGAGAAAAAGTGTTCATCAAAAAGTTAAAAGGCACCAGTTATCACTTTTCTACCAT
CCTAGTGACTTTTGCTTTTTTAAATGAATGGACAACAATGTACAGTTTTTACTATGTGGCCACTGGTTTAAGAAGTG
CTGACTTTGTTTTCTCATTTCAGTTTTGGGAGGAAAAGGGACTGTGCATTGAGTTGGTTCTGCTCCCCAAACCA
TGTTAAACGTGGCTAACAGTGTAGGTACAGAACTATAGTTAGTTGTGCATTTGTGATTTTATCACTCTATTATTT
GTTTGTATGTTTTTTTCTCATTTCGTTTGTGGGTTTTTTTTTCCAACCTGTGATCTCGCCTTGTTTCTTACAAGCA
AACCAGGGTCCCTTCTTGGCACGTAACATGTACGTATTTCTGAAATATTAAATAGCTGTACAGAAGCAGGTTTTA
TTTATCATGTTATCTTATTTAAAGAAAAAGCCCCAAAAGCAGTAAAATTTCCATTTCTCCCTGTTATTTTAGTTG
CCTTATCTGGAGAGACGTGGAGGTGATTTCTTTTTTTAAATATTATTAAAGACAGAATGTGAGGGCACAAGCA
GGCTTCTGAGCCACTTGTGAGATTGTATTCAAAGCATCAATCCAAGAAGGAGGTTATGTGTACTTCATTTATTGG
TGATAGTTGGAAGAGACTGCAGACTACTGCTTTGAATGAGTTGAATTACATAAGCTAAGATCACTATAGGTCCAT
TTCTTGAACCCACTTATACATAAAATGTAACCCATTTAGAAAAAGATTCTGGATATCATCCCCCTTGAAAGATAG
AAAGCATTGAGGATGTCAGTTATCACATGTTACACTTGGGTTTAGGGGTGTTTTTTTTTAAACCAGGCAGG
TTAGCTAGCCACCCGTGTGCTAGTTTTTCATGTTACACTGACCCTATTTGAATTAATATCCTTTGTTAGAGTGGT
CGAGATTTCAAACCCAATTATGTACAGGGAGCTGTCTGAGAGCTAGCCAGAAGTGGGGTACAGCCTGGGCTCAGG
GAATAGCTGTCAACACTCGGGCAAAGTTTTTGTCTGTGCATGTGTATCTCCATTTGTTTTGGGATCCCAGTTTTT
GTTTTAAGAGAGTATAAGGTGTCTCATTGTAGTCTTTTTCTTACCTAGCCCCCTCTTATCAGTAAAAACAAAGGAC
TTGCCATGGTTTACAGCAATGTGCTACGATCCAAGATATCAGCCAAGGAGCCCACTTAGGGGAGAACTAGGTGTC
CAGATTTTTGTATGTGTGTTTTTCTTGGGGGATGGGGTGGGGTGGGAGTAGGTAGAGCTGAGAATACTACATCT
TAGTGGTGACCTTTAGCCACGTGGGTGAAGTGGCAAAGGCCATGGCCATATCTGTTGTCCAGGCCAAAGACTAA
CAACTGCCCTTGGGAATCCCTTCCCTTGTGTCTTACCAATGATAGCTCATAAACTCTGATAATGTAACAAATCA
CTTTCAAAGGAGTTCCAGAAAGTCTTCAGAAAGACTAAAATTTCTGTCTTCTCCTGCTTTAGACAGCCATTAAGAT
CCCAACTAATTTTACCGAACCTAAAACCCACAAAGAGGTTGTTTGTGTTATTGTTCAATCTTCAGTTGTAAGAGT
AATTCTCTATTTTTATATTGAAACATAATTACTTGATAGCTCAGGGTCTACATTTCACTCAACTTTTTACACCAA

1108/2825
FIGURE 978B

ATTCTGCAGAGTGGTCAAAATGGAATATTGGGGGCTGTTGTAAACAGAGGCTTAATTTTATTAGAAGTAGCCAGT
TATTTATTAAAGCATGATGTTAATAAAATAGGCATATTC

1109/2825
FIGURE 979

MARFGLPALLCTLAVLSAALLAAELKSKSCSEVRRLYVSKGFNKNDAPLHEINGDHLKICPQGSTCCSQEMEKEY
SLQSKDDFKSVVSEQCNHLQAVFASRYKKFDEFFKELLENAEKSLNDMFVKTYGHLYMQNSELFKDLFVELKRY
VVGNVNLEEMLNDFWARLLERMFRVNSQYHFTDEYLECVSKYTEQLKPFGDVPRKLKLQVTRAFVAARTFAQGL
AVAGDVVSKVSVVNPTAQCTHALLKMIYCSHCRGLVTVKPCYNYCSNIMRGCLANQGDLD FEWNNFIDAMLMVAE
RLEGPFNIESVMDPIDVKISDAIMNMQDNSVQVSQKVFQGC GPPKPLPAGRISRSISESAFSARFRPHHPEERT
TAAGTSLDRLVTDVKEKLKQAKKFWSSLP SNVCNDERMAAGNGNEDDCWNGKGKSRYLFAVTGNGLANQGNNPEV
QVDTSKPDILILRQIMALRVMTSKMKNAYNGNDVDFFDISDESSGEGSGSGCEYQQCPSEFDYNATDHAGKSANE
KADSAGVRPGAQAYLLTVFCILFLVMQREWR

1110/2825
FIGURE 980

AAGAGATGATTCTCCATCCTGAACGTGCAGCGAGCTTGTCAGGAAGATCGGAGGTGCCAAGTAGCAGAGAAAGC
ATCCCCCAGCTCTGACAGGGAGACAGCACATGCTCTAAGGCCACAAGCCTTGCCCTACCGGAGGAGAAGTCAAT
TTTCTTCTCGAAAATACCTGAAAAAAGAAATGAATTCCTTCCAGCAACAGCCACCGCCATTTCGGCACAGTGCCAC
CACAAATGATGTTTCTCCAACTGGCAGGGGGCAGAGAAGGACGCTGCTTTCTCGCCAAGGACTTCAACTTTC
TCACTTTGAACAATCAGCCACCACCAGGAAAACAGGAGCCAACCAAGGGCAATGGGGCCCGAGAACAACCTGTACA
GCCAGTACGAGCAGAAGGTGCGCCCTGCAATTGACCTCATCGACTCCCTGCGGGCTCTGGGTGTGGAGCAGGACC
TGGCCCTGCCAGCCATCGCCGTCATCGGGGACCAGAGCTCGGGCAAGAGCTCTGTGCTGGAGGCACTGTCTAGGAG
TCGCGCTTCCCAGAGGCAGCGGAATCGTAACCAGGTGTCCGCTGGTGTGAAACTGAAAAGCAGCCCTGTGAGG
CATGGGCGGAAGGATCAGCTACCGGAACACCGAGCTAGAGCTTCAGGACCCTGGCCAGGTGGAGAAAAGAGATAC
ACAAAGCCCAGAACGTCTGAGCGGGAATGGCCGGGGCATCAGCCATGAGCTCATCAGCCTGGAGATCACCTCCC
CTGAGGTTCCAGACCTGACCATCATTGACCTTCCCGGCATCACCAGGTGGCTGTGGACAACAGCCCCGAGACA
TCGACTGCAGATCAAGGCTCTCATCAAGAAGTACATCCAGAGGCAGCAGACGATCAACTTGGTGGTGGTTCCCT
GTAACGTGGACATTGCCACCACGGAGGCGCTGAGCATGGCCCATGAGGTGGACCCGGAAGGGGACAGGACCATCG
GTATCCTGACCAAACCAGATCTAATGGACAGGGGCACTGAGAAAAGCGTCATGAATGTGGTGCAGAACCTCACGT
ACCCCTCAAGAAGGGCTACATGATTGTGAAGTGCCGGGGCCAGCAGGAGATCACAAACAGGCTGAGCTTGGCAG
AGGCAACCAAGAAAGAAATTACATTCTTTCAAACACATCCATATTTAGAGTTCTCCTGGAGGAGGGGTCAGCCA
CGGTTCCCCGACTGGCAGAAAGACTTACCACTGAACTCATCATGCATATCCAAAAATCGCTCCCGTTGTTAGAAG
GACAAATAAGGGAGAGCCACCAGAAGGCGACCGAGGAGCTGCGGCGTTGCGGGGCTGACATCCCCAGCCAGGAGG
CCGACAAGATGTTCTTTCTAATTGAGAAAATCAAGATGTTTAATCAGGACATCGAAAAGTTAGTAGAAGGAGAAG
AAGTTGTAAGGGAGAATGAGACCCGTTTATACAACAAAATCAGAGAGGATTTTAAAAACTGGGTAGGCATACTTG
CAACTAATACCCAAAAAGTTAAAAATATTATCCACGAAGAAGTTGAAAAATATGAAAAGCAGTATCGAGGCAAGG
AGCTTCTGGGATTTGTCAACTACAAGACATTTGAGATCATCGTGCATCAGTACATCCAGCAGCTGGTGGAGCCCG
CCCTTAGCATGCTCCAGAAAGCCATGGAATATCCAGCAAGCTTTTATTAACGTGGCCAAAAAACATTTTGGCG
AATTTTTCAACCTTAACCAAAGTTTTCAGAGCACGATTGAAGACATAAAAGTGAAACACACAGCAAAAGGCAGAAA
ACATGATCCAACCTCAGTTTCAAGATGGAGCAGATGGTTTTTTTGTCAAGATCAGATTTACAGTGTGTTCTGAAGA
AAGTCCGAGAAGAGATTTTTTAACCTCTGGGGACGCCCTTCACAGAATATGAAGTTGAACTCTCATTTTCCAGTA
ATGAGTCTTCGGTTTTCTCCTTTACTGAAATAGGCATCCACCTGAATGCCTACTTCTTGGAACACAGCAAACGTC
TCGCCAACCCAGATCCCATTTATAATTAGTATTTTATGCTCCGAGAGAATGGTGAATCCTTGAGAAAGCCATGA
TGCAGATACTACAGGAAAAAATCGCTATTCTTGCTGCTTCAAGAGCAGAGTGAGACCGCTACCAAGAGAAGAA
TCCTTAAGGAGAGAATTTACCGGCTCACTCAGGCGGACACGCACTCTGTCAATTCTCCAGCAAAGAGATCCACT
GAAGGGCGGCGATGCCTGTGGTTGTTTTCTTGTCGCTACTCATTCTTAAGGGGAGTCGGTGCAGGATGCCGC
TTCTGCTTTGGGGCCAACTCTTCTGTCACTATCAGTGTCCATCTCTACTGTACTCCCTCAGCATCAGAGCATGC
ATCAGGGGTCCACACAGGCTCAGCTCTCTCCACCACCCAGCTCTTCCCTGACCTTACGAAGGGATGGCTCTCCA
GTCCTTGGGTCCCGTAGCACACAGTTACAGTGTCTAAGATACTGCTATCATTCTTCGCTAATTTGTATTTGTAT
TCCCTTCCCCCTACAAGATTATGAGACCCAGAGGGGGAAGGTCTGGGTCAAATTCTTCTTTGTATGTCCAGTC
TCCTGCACAGCACCTGCAGCATTGTAAGTGTCTTAATAAATGACATCTCACTGAACGAATGAGTGTGTGTAAGTG
ATGGAGATACCTGAGGCTATTGCTCAAGCCCAGGCCTTGGACATTTAGTGACTGTTAGCCGGTCCCTTTCAGATC
CAGTGGCCATGCCCCCTGCTTCCCATGGTTCACTGTCTATTGTGTTTCCAGCCTCTCCACTCCCCGCCAGAAAG
GAGCCTGAGTGATTCTCTTTCTTCTTGTTCCTGATTATGATGAGCTTCCATTGTTCTGTTAAGTCTTGAAGA
GGAATTTAATAAAGCAAAGAACTTTTTAAAAACGT

1111/2825
FIGURE 981

MSKAHKPWPYRRRSQFSSRKYLKKEMNSFQQQPPPFQGTVPQMMFPPNWQGAEKDAAFLAKDFNFLTNNQPPPG
NRSQPRAMGPENNLYSQYEQKVRPCIDLIDSLRALGVEQDLALPAIAVIGDQSSGKSSVLEALSGVALPRGSGIV
TRCPLVLKLLKKQPCEAWAGRISYRNTELELQDPGQVEKEIHKAQNMAGNGRGISHELISLEITSPEVPDLTIID
LPGITRVAVDNQPRDIGLQIKALIKKYIQRQQTINLVVPCNVDIATTEALSMAHEVDPEGDRITIGILTKPDLMD
RGTEKSVMNVVRNLTYPKKGYMIVKCRGQQEITNRLSLAEATKKEITFFQTHPYFRVLLEEGSATVPRLAERLT
TELIMHIQKSLPLLEGQIRESHQKATEELRRCGADIPSQEADKMFFLIEKIKMFNQDIEKLVEGEEVVRENETRL
YNKIREDFKNWVGILATNTQVKNIIEEVEKEYEKQYRGKELLGFVNYKTFEIIIVHQYIQQQLVEPALSMLOKAME
IIQQAFINVAKKHFGFEFFNLNQTVQSTIEDIKVKHTAKAENMIQLQFRMEQMVFCQDQIYSVVLKKVREEIFNPL
GTPSQNMKLNSHFPSSNESSVSSFTEIGIHLNAYFLETSKRLANQIPFIIQYFMLRENGDSLQKAMMQILQEKRY
SWLLQEQSETATKRRILKERIYRLTQARHALCQFSSKEIH

1112/2825
FIGURE 982A

GGGAGAAGCTAGGAAAAAATGTCTTTGAGCTGTGAGATGCTTGTATATTTTGAAAATATGATTATATGCATGTGT
TTGTATTTTATGACTTGGATAATCTGAAAATCAATTTGCTTTGTCAATGCTTCCTGGATTAGAATTCCACTATTT
GGTCCCTATCCTAGTCTACTAAAGAAAATTGAGCGGGAAACATCGCGGGAAAGTGGCGTTTCATTAATTGCTACT
GTAACCTCGTCTAATGGAGAGGTTGTTAGATTACAGAACTTCTATAAGACTGAACTGAACAAGGAGGAGATGTATA
TACGCTACATTCACAACTCTATGATCTGCATCTCAAAGCACAGAACTTTACAGAAGCTGCATATACCCTCCTCT
TATATGACGAGCTACTGGAATGGTCTGATCGGCCCCCTCAGGGAGTTCCTGACCTACCCCATGCAAACAGAATGGC
AGCGCAAAGAGCACCTGCACCTCACCATCATCCAGAACTTTGACAGAGGCAAATGTTGGGAGAATGGCATTATCT
TGTGCCGGAAGATTGCAGAGCAGTATGAGAGTTATTATGACTACAGAAACCTGAGCAAGATGCGGATGATGGAAG
CCTCTTTGTATGACAAAATTATGGACCAGCAACGTCTTGAACCAGAGTTCTTCAGAGTTGGATTTTATGGAAAAA
AATTTCCATTTTTCTTAAGAAATAAGGAGTTTGTGTGTGCGAGGCGATGACTACGAGAGGCTGGAAGCCTTCCAAC
AGAGAATGCTGAACGAGTTCCCCCATGCCATCGCCATGCAGCACGCCAACCAGCCCGATGAGACCATCTTCCAGG
CAGAAGCTCAGTATTTGCAGATATATGCTGTGACTCCCATTCAGAGAGCCAGGAGGTCTGCAGAGAGAGGGTG
TTCCGGACAACATCAAAAGCTTCTATAAAGTGAATCACATCTGGAAATTCCGCTATGACCGACCATTTACAAAG
GCACAAAAGATAAAGAGAATGAATTCAAGAGTCTCTGGGTGGAGAGAACGTCATTATACTTGGTGCAGAGTTTGC
CTGGCATCTCTCGCTGGTTTGAAGTGGAAAAGCGTGAAGTGGTAGAAATGAGTCCTCTGGAAAATGCAATTGAAG
TGCTAGAAAAATAAGAATCAGCAGCTGAAGACTCTGATTAGTCAGTGTGAGACAAGACAGATGCAGAATATTAATC
CCCTGACTATGTGCCTGAATGGAGTTATAGATGCTGCAGTTAATGGTGGCGTTTCCAGGTATCAAGAGGCATTCT
TTGTCAAAGAATATATCTTAAGTCACCCTGAAGATGGGGAGAAAATTGCACGATTAAGAGAGCTGATGCTTGAGC
AGGCACAGATTCTGGAATTTGGTTTGGCCGTGCATGAGAAGTTTGTACCTCAAGATATGAGACCCCTTCACAAAA
AGCTGGTTGACCAATTCTTTGTGATGAAGTCGAGCTTAGGGATACAGGAGTTCTCTGCTTGTATGCAAGCCAGTC
CTGTCCATTTTCTAATGGAAGCCCTCGTGTGTGTAGAACTCAGCACCTGCTTCTGTGAGCCCAGATGGTACCA
GGGTAATTCCTAGACGCAGCCCGTTAAGTTACCCAGCTGTCAACCGATATTCTTCTCCTCACTGTCTCACAAG
CTTCTGCTGAAGTAAGCAATAATACAGGGCAATCAGAAAAGCTCTGATGAAGTCTTTAACATGCAGCCAAGTCCAT
CTACCTCAAGCTTGAGTTCTACTCACTCGGCTTACCTAATGTGACAAGTTCTGCTCCATCGAGTGCCAGAGCTT
CTCCTTTGTTGTCTGACAAACACAAACATTCCCGAGAAAACCTTTCGCTGTACCAAGAGAGAGACCATGCAGTG
CCATCTATCCAACACCTGTGGAGCCTTCGAGAGGATGCTGTTTAATCATATTGGAGACGGGGCCTTGCCACGCA
GTGACCCAAATCTCTCTGCACCTGAAAAAGCTTACCAGCAAGACACACGACATCAGTATCCCCCTCGCCTGCCG
GGCGATCTCCATTGAAGGGCTCTGTGCAGTCTTTCACCCCTCTCCAGTGGAGTACCCTCGCCAGGACTCATCT
CCAACCTCCCTGTCTTGTGCGGCAGCTACAGCAGTGGGATTTCTTCTCTCAGCCGGTGCAGCACGTCGGAAACCT
CAGGCTTTGAAAATCAGGTGAATGAACAGTCGGCCCCCTGCGCGTGCCAGTGCCGGTGCCCGTGCCGAGCTACG
GCGGGGAGGAGCCAGTGCGCAAGGAGAGCAAGACTCCGCCCCGTACAGCGTCTACGAGCGGACTCTGCGGCGCC
CCGTCCCGCTACCTCACAGCCTCTCCATCCCCGTACGTCGGAGCCGCCGCGCTGCCCCCAAGCCTCTGGCAG
CGCGATCCAGCCACCTGGAGAATGGGGCCCGGAGGACTGACCCCGGCCCGCGGCCAGGCCCTGCCCCGCAAGG
TCTCTCAGTTATAAGTCACTTTTCTATGTACCTGCGATGCATTCTTTGCCCGTTTACAAAATAAGAAGTATGATG
AGAAGACATTTAGTGTAGGCACTTTAATAACTTACTCAGCTCCTTCGATGAATGGAATTAAGTGTGCTTATTAA
ATATCATGTTGCACAATATTAAGTTGCTGATCTAAACGCCAGATGTTAATGAAGTATGGCTGAATTTCAAT
AAAACGTTTCTCATTTGGAAGTGGTAAATAGTGATAAAGACTCCTTTTGTACCTTTTTATGTTCACTTTTTTTTA
TATAGTTTAAATCTTAAACCAATACGATATTGTCAAACGATACAATGTGTGACAATGTTGTATCGTTTTTACTGA
ATACTTGATACTTGGAGAAAGCTTATTAAGTCAGTGCACATCCTAACACAGTGGTCCTATTTTAGAAGACTTCT
GTAAATAAGGCAAGGTTTATCAGTGCAGATCATCAGAATTAAAGTTCAAGCAGGCGAGCAAGACAGTATACTTAA
GGGGTTGCAAAGCTTGGGACTGGAAATTGTTTTGTCTTGAAACAAAATACTTCTTTAAGGTTGCTTTTGTGT
TGACTGCTGTCTACATTTCGTAATTTCTATTTTGTGAATTGGTAGCTAAATCCCTTACTACCCTGACACCGTGGT
ATCTACTGTATTTCTTTTCAAGGTGCAATTTGCTTCAGAGTTCCAATCAGCTAGATTAAGCAAGAGGCTCCAGAA
GAAATGTTTACTTGAATTTTGGCGTTTCTTTCTTGATAGTTTCTATATAAAATTTGTCATTGAACAAGAGCAAA
TGCTGAAGTATTAATGAGGCACAAATGACTGTGCCCCATTAGCAAGAATTCAGGAATCAATACAGACAGTATTAA
ATTAATAGCTTAAGTGAAGAAAAAATAAAGTCTAGTGAAAATGTATTAGCACGATTAAATGGCAAAAGGACTTAT
AAAAGGCAAGGGCATTAACTTTTCTGCTGACAAAATAAATAATTCCTCAGACTCTCCACTTTTACCAGTGA
GTTTGTCTTAGCTGACCTGTCGTCTTTCTCTTGAAGGAGGATTGCTGTAGACTTCTCTAGCTTGAATATTGCAAC

1113/2825
FIGURE 982B

ATAGCATCTTAGGTCTAGATAGGGATGCTAATGCCAGTTGTAGAAGTGTGAAAAAGCACCTTGTATGTAGTAAT
GTATTTTATATCTTTGTTTTTCTTTTACTGACTGTTTATAACACTCAATTGACAATAGATATGAACTGTATTTT
AAATCATACTGTTAAATATTTTCCCTCTTTTGTGGGAAGCTCATTTTAGTTTAACCATGTTTGTTTTGTTGGIA
GCTTACCTGGAAGGCAGTGACCACTTTTTATATTCTCTTAATGAAACCATTCAGCAGGTATATGCTGTTGAGGC
TGGTTATAGAGGTTTTCTATAATAAATGTTCAAGTATTTTTGTATATAACTGGTTAATTTTAATAAGAGATACCA
TTATGTGTAAAAAAAAGTAAAAATAAACGCAAACAGTTGTTGATGCAGTATGATTGTTATAATTATGCCAAATAC
TTTACGTATGGAAAAAGAATATTTGTACATATGTGCTTTTAACAATTCTGCCATATTGACTTTACAATTTTGAAT
GTCGGAAAAATTAATATATGTTAAATATTTATGTTTAGTGAAAGTGTTTATAATTGAGAAAAGGAACATATGCAT
TTTAGCTTTGTATCTTGCAAGTTTGCAGTCAGAAATTTTTTGAAGTAGCTTTTGCTTTTGATAACACTTCGTGT
TTGTAACCACATTCATATATATATACATATATATGTGAAGCTCCATATTTCTGTTGCTTTAAAGAAGTAAAACCT
TCCATTTAAATAAGATGACATGCATAAGATAACAAAGCTTCCTTGATTTCTTTTCTGTGTAATTTAATAGATT
TGTTGACTAGTGCTTGGGCACATTATAAATCAGTGTTATTTGCTCTTGGAGCCATTTTTTAAAAAAAATTTTGGC
AGTGAGCAGTTGAATTTATCTTGAATTTATCATGTGTGTGTTTCTGAAGCAGCTACATAGCAGAACATTTTAA
GAGATTCTGTTAGCCACATGTTTATGTTGGTTGCTGCTGAATGGTAAATATTAAATAAAAATTACCAGATTAATC
TT

1114/2825
FIGURE 983

MAGKWRFINCYCNSSNGEVVRLQNFYKTELNKEEMYIRYIHKLYDLHLKAQNFTEAAYTLLLYDELLEWSDRPLR
EFLTYPMQTEWQRKEHLHLTIIONFDRGKCWENGIILCRKIAEQYESYYDYRNLSKMRMMEASLYDKIMDQORLE
PEFFRVGFYGKKFPFFLRNKEFVCRGHDYERLEAFQQRMLNEFPHAIAMQHANQPDETIFQAEAQYLQIYAVTPI
PESQEVLRQREGVPDNIKSFYKVNHIWKFRYDRPFHKGTKDKENEFKSLWVERTSLYLVQSLPGISRWFVEVEKREV
VEMSPLENAIEVLENKNQQLKTLISQCQTRQMQUINPLTMCLNGVIDAAVNGGVSRYQEAFFVKEYILSHPEDGE
KIARLRELMLEQAQILEFGLAVHEKFVPQDMRPLHKKLVDQFFVMKSSSLGIQEFSAQMVASPVHFPNGSPRVCRN
SAPASVSPDGTRVIPRRSPLSYPAVNRYSSSSLSQASAEVSNITGQSESSDEVFNMQPSPTSSLSSTHSASPN
VTSSAPSSARASPLLSDKHKHSRENSCLSPRERPCSAIYPTPVEPSQRMFLFNHIGDGLPRSDPNLSAPEKASPA
RHTTSVSPSPAGRSPLKGSVQSFTSPVEYHSPGLISNSPVLGSGYSSGSSLSRCSTSETSGFENQVNEQSAPL
PVPVPVPVPSYGGEEPVRKESKTPPPYSVYERTLRRPVPLPHSLSIPVTSEPPALPPKPLAARSSHLENGARRTD
PGPRPRPLPRKVSQQL

1115/2825
FIGURE 984

CTCCGGCCCCGGCCCCGAGCACCGCCTCCCCAGCCAGCGCCGCCGCG**ATGG**CGGAGGACAGCGAGTCTGCGGCCAG
CCAGCAGAGCCTGGAAGTGGACGACAGGACACGTGCGGGATAGACGGGGACAATGAGGAGGAGACGGGAGCACGC
CAAAGGAAGTCCTGGAGGGTATTTGGGAGCCAAAAAGAAAAAGAAACAGAAGAGAAAAAAGGAGAAACCAA
TTCCGGAGGCACCAAGTCAGACTCGGCATCTGATTCCCAGGAGATTAAATTCAGCAGCCTTCGAAAAATCCCAG
TGTTCCAATGCAGAAGTTGCAGGATATCCAGAGAGCAATGGAGCTGCTATCCGCATGCCAGGGCCCCAGCCAGGAA
CATTGATGAGGCTGCAAAGCACAGATACCAGTTTGGGACACACAACCGGTACCAAAACTAGATGAAGTCATAAC
ATCTCATGGTGCAATTGAACCAGATAAAGACAACGTACGCCAAGAACCGTATTCTTTGCCACAGGGTTTTATGTG
GGACACTTTAGACTTGAGTGATGCCGAAGTGCTCAAGGAGTTATACACGTTGTTAAATGAGAATTACGTAGAAGA
TGATGACAATATGTTCCGATTTGACTATTCACCCGAGTTCCTGTTGTGGGCTCTGCGTCCACCAGGCTGGCTCCT
GCAGTGGCACTGTGGGGTCAGAGTGTCTTCAAATAAAAACTGGTCGGGTTTCATAAGTGCCATCCCAGCAAACAT
TCGGATTTATGACAGTGTGAAGAAGATGGTAGAAATCAACTTTCTTTGTGTTTCATAAGAAGTTGAGATCGAAACG
GGTAGCCCCAGTGCTAATCCGAGAGATCACTAGAAGAGTGAACCTGGAAGGGATCTTCCAGGCTGTGTACACCGC
GGGAGTGGTTCTTCTAAGCCCATAGCCACATGCAGATACTGGCATCGATCACTAAACCCAGAAAAATTGGTAGA
AGTGAAATTTTCTCACTTGAGTAGAAATATGACTTTACAGAGAACAATGAAGCTATACAGACTTCCAGATGTTAC
AAAGACTTCAGGTTTGAGACCAATGGAACCAAAAGATATCAAATCAGTTCGAGAATTAATCAACACTTACCTGAA
GCAGTTTTCATCTGGCTCCAGTGATGGATGAAGAGGAAGTAGCCCACTGGTTTCTCCCCGGGAGCACATTATTGA
CACGTTTGTAGTGGAGAGCCCCAACGGTAAACTGACTGATTTCTGAGCTTCTATACGCTCCCCCTCCACGGTGAT
GCACCACCTGTCTACAAGAGCCTCAAAGCCGCCTACTCATTCTACAACATCCACACAGAGACGCCCTGCTGGA
CCTCATGAGCGACGCGCTCATCCTGGCTAAATCGAAAGGATTGATGTATTCAATGCAGTGGATTTGATGGAAAA
TAAGACATTCTTGAAAACTCAAGTTTGGTATAGGAGATGGCAATTTGCAGTATTACCTGTACAATTGGAGGTG
TCCAGGTACAGATTCTGAAAAGGTTGGACTAGTACTACAAT**TAGAT**GGATATTTTTTATTTCTAGAACTCTGACATC
ATCATTGTGTTAATATTTAATGATTTCTGGAAGTCCATTCCAAAGAAGAATAAAAGCACAACTCAAGTGAAATTG
AAGTAGTCGATAATCAGAAAAGATGACAAAAGTCCACATGTGACATTTGTACGTTTCTAGCTAGAATGTTAACT
TCATCCTTTTTTTACTGTTGACCTATTTGTGGGAGGGATGAAAGGCTACAAAGAGCACATTCTTGTAATTTTCAA
ATTTTTGCCTGCTCTTGAAGAGGTATTTTTTACCCTTAGAAAAGGGACTGTTTTTCTATGGACTAAGTAGAAG
TTACAGAGTCATGTAAGAAAATCTTTGCTATTGTGTGGAGAGAAATTGCTGCATTTCTGTTTCTTAAGTGATGGT
ACATTTGTCCATGTAACAGAACAAAAGATCCATTGGAATTTTTTTTTACTGGTATCACCTTACATGGTATCACT
GGGAACATTTATGGAATCAACACTTCTGTAGCTCAGTGACAGGTGGTGGTTGTTAAGTGCAGAGCAATATTAAA
TGTAAGTGGTACTAGTACATGTATTTCTCCATAAGCAGAGTTGCCGAATCAATAAACATGCAAGTTTGTAATTTG
ATCTTTACCAGGTCAGTGGATTGCTTCAAAGCAGAGTTTTGTGCAAGCACTCACTGTGCTCTCTGAAAGAGCCT
GAGGCCGGCGTGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGTGGGCAGATCATGAGGTCAGG
AGATCGAGACCATTCTGGCCAACATAGTGAAACCCCATCTCTACTAAAAATACAAAAATTAGCCGGGCGTGGTGG
CGTGTGCCGTGTAGTCCCAGCTGCTTGGGAGGCTGAGGCAGGAGAATCGCTTGAACCTGAGAGGTGAGGTTGCAGT
GAGCCGAGATCGAGCCACTGCACTCCAGCCTGGGTGACAGAGCGTGAGACTCCGTCTCAAAAAAAAAAAAAAAAAAG
AAAGAGCCTGTACCCGCGACTAACTAGACTTTTCTTGCTGTTGTGCAAAGTTCAAGTTTCTTCTCAGCAACATCAA
GGATATATGAAGAAAAGGAAATAAAAACTGTAAAGTCAAAGAGATGCCTGGTGGAACCTTATTCGTGCTATCAG
GGCATTGATAGTTTGAATGTTTTTATTACTTATGCAAAATTGCACATACTCCTCTATGCTGATTTTATCATGAAA
ACTGTCATGTGTCATGCTAATGAAAATGTCTTATTTGTAAATAAGTATTCATAATTTTGCCG

1116/2825
FIGURE 985

MAEDSESAASQQSLELDDQDTCGIDGDNEEETEHAKGSPGGYLGAKKKKKQKRKKEKPNSGGTKSDSASDSQEI
KIQQPSKNPSVPMQKLQDIQRAMELLSACQGPARNIDEAAKHRYQFWDTPVPKLDEVITSHGAIEPDKDNVRQE
PYSLPQGFMWDTLDLSDAEVLKELYTLLNENYVEDDDNMFRFDYSPEFLLWALRPPGWLLQWHCGVRVSSNKKLV
GFISAIPANIRIYDSVKKMVEINFLCVHKKLRSKRVAPVLIREITRRVNLEGIFQAVYTAGVVLPKPIATCRYWH
RSLNPRKLVEVKFSLSRNMTLQRTMKLYRLPDVTKTSGLRMEPKDIKSVRELINTYLYKQFHLAPVMDEEEVAH
WFLPREHIIDTFVVESPNGKLTDFLSFYTLPSVMHHPAHKSLKAAYSFYNIHTETPLLDLMSDALILAKSKGFD
VFNALDLMENKTFLEKLKFGIGDGNLQYYLYNWRCPGTDSEKVGLVLQ

1117/2825
FIGURE 986

GCACACCATGGTGCACCTTCTGTGGCCTACTCACCCCTCCACCGGGAGCCAGTGCCGCTGAAGAGTATCTCTGTGAG
CGTGAACATTTACGAGTTTGTGGCTGGTGTGTCTGCAACTTTGAACTACGAGAATGAGGAGAAAAGTTCCCTTTGGA
GGCCTTCTTTGTGTTCCCATGGATGAAGACTCTGCTGTTTACAGCTTTGAGGCCTTGGTGGATGGGAAGAAAAAT
TGTAGCAGAATTACAAGACAAGATGAAGGCCCGCACCAACTATGAGAAAGCCATCTCCCAGGGCCACCAGGCCTT
CTTATTGGAGGGGGACAGCAGCTCCAGGGATGTCTTCTCTTGCAATGTGGGTAACTCCAACCTGGGTGCAAGGC
GGCAGTCACCCCTGAAGTATGTGCAGGAGCTGCCTCTGGAAGCAGATGGGGCTCTGCGCTTTGTGCTCCCAGCTGT
CCTGAATCCTAGATACCAGTTCTCTGGGTCGTCTAAGGACAGTTGCCTTAATGTGAAGACTCCTATAGTCCCTGT
GGAGGACCTGCCCTACACACTCAGCATGGTCGCCACCATAGATTCCCAGCATGGCATTGAGAAGGTCCAATCCAA
CTGCCCCCTTGAGTCTACCGAGTACCTAGGAGAGGACAAGACTTCTGCTCAGGTTTCCCTGGCTGCTGGACACAA
GTTTGATCGGGACGTGGAACCTCTGATTTACTACAATGAGGTGCATACCCCCAGCGTGGTTTTGGAGATGGGGAT
GCCTAACATGAAGCCAGGTCATTTGATGGGAGATCCATCTGCAATGGTGAGTTTCTATCCAAATATCCCAGAAGA
TCAACCATCAAATACCTGTGGAGAGTTTATCTTTCTCATGGACCGCTCGGGAAGTATGCAGAGCCCCATGAGTAG
CCAGGATACATCTCGCTGCGAATACAGGCAGCCAAGGAAACACTGATTTTGCTGCTGAAGAGTTTACCTATAGGC
TGTTATTTCAACATCTATGGATTTGGCTCTTCTATGAGGCATGCTTTCGGAGAGTGTGAAGTACACTCAGCAA
ACAATGGAGGAGGCTCTGGGGAGAGTGAAGCTTATGCAGGCCGACCTAGGGGGCACTGAAATCTTGGCACCCTC
CAGAACATTTACAGGGGACCCTCCATCCCAGGCCACCCCTACAGCTTTTTGTCTTTACAGATGGAGAAGTTACA
GACACGTTTAGTGTAATTAAGAAGTTAGGATCAACAGACAGAAACACAGGTGTTTCTCATTTGGTATTGGAGAA
GGCACCTCCACCAGCCTAATAAAAAGGTATTGCCCGGGCATCAGGGGGCACCTCAGAATTTATCACAGGCAAAGAC
AGGATGCAGTCCAAGGCTCTCAGGACTCTGAAACGCTCTCTGCAGCCTGTGGTAGAGGATGTCTCTCTGAGCTGG
CATTTGCCCTCTGGTCTGTCTGCTAAAATGCTTTCCCCAGAACAGACTGTCATCTTTAGGGGTCAGAGATTAATC
AGCTATGCCCAGCTGACCGGGAGGATGCCAGCAGCAGAGACAACAGGAGAAGTATGCCTCAAATATACACTCCAG
GGCAAGACTTTTGAGGATAAGGTGACATTTCTCTACAACCCAAGCCTGATGTCAACCTCACCATTACCGCCTT
GCTGCCAAGTCCTTGCTCCAGACCAAGGACATGGGCCTCAGGGAGACTCCAGCAAGTGATAAAAAAGATGCATTG
AACCTTAGCCTTGAGTCTGGTGTCTATAAGCTCCTTCACAGCTTTTCATTGCTATCAATAAGGAGCTCAACAAGCCG
GTTACAGGGGCTCTGGCTCATAGGGACGTCCCAAGGCCAATTCTGTTGGGTGCTTCTGCCCCATTGAAGATAAAAA
TGCCAATCAGGTTTTTCGAAAGGCCTTACACTCTGACCGTCTCTCTCTGTCATCTCAGCCCAGAGGGGAACCTTATG
TGTTATAAGGCCAAGACATTCCAGATGGACGATTACAGTCTCTGTGGGTTGATAAGTCACAAGGACCAGCACAGT
CCAGGCTTTGGAGAGAATCACCTTGTGCAGCTGATTTACCACCAAAATGCAAATGGTTCCTGGGATCTGAATGAA
GATCTAGCCAAGATCCTAGGTATGAGTTTGAAGAAATAATGGCTGCACAGCCTGCCGAGCTTGTGGATTCTCTCA
GGCTGGGCCACCATCCTGGCCGTGATCTGGCTGCACAGCAATGGTAAGGACTTGAAGTGTGAATGGGAGCTTCTG
GAAAGGAAGGCCGTGGCCTGGATGCGTGCCCATGCAGGCTCCACCATGCCTTCGGTTGTGAAAGCTGCTATTACT
TTCTGAAGTCATCTGTGGATCCTGCTATCTTTGCCTTTTGAAGATACCATCCAGAAAAAGAAGTGCCCTTTAATT
TGCTACTGTCAATTTCTCTAGTATCACTTTTGCTGTGATGATGTGTTCTTGTGTATTATAACTCTTTATTTTTTG
CCATAAAAGTAAAGGATGCTTACTCCACTTCGCTTCTCTGCTCCAGGTTCACTTTGGATATGATCTTTCTTTTCC
CAACATATGCCCTCAGAAAAGTGACAGTGGTCCCAGAACCTATTCCCTTTCTTGAGGGAGTTCAAAACATTCTATA
GGCAGTAATGTTCTCCAGGGTTTCCAGGGAAACAACATGAAAAACAGGTGACATGAACTACAGACTAAAGATT
GCAGCATTTATGTTAGAGAATGCTTGAATTAGAGAATTTTCTGCATTATCTTTGTCTGTTCACTTTCTATCTTAT
ATACTTATCAGGGCCATACTGGTAAGCTTGCCTAGGAGGAGTTAGAGGGAAGTTGAAAGCCAACATCTGGATCAA
TGTAATGTCAAGATCACAAAGACAGAGACTGCAGGGGTCCACTGTGAGAGGTGACACTGTTGGGGACCTTCTCTGA
TTCATTCTTCTTGGGCTTTGCTAGCCTGTACAACCTACATGTCTTTTCTTCCACTGCCTGAAAGACTTGGGTTGA
ACTATAACTGTTGGAGAGAGATGTTCTCTTTAATCATGAAACACCTTAAGAAGTCTATAATGCAATCCTTAGTC
CTACCCTGAACCTATGTGTCTCTAAGTCAGGCCCTGATCTAGTGCAGTAAAGGGAAGGGTGGGCTTAATGGGAG
CTTTGCCTGGGACCTGAACCTGGAGCACTTACCGCATTAGGAAGAAAGGAGCTCCCCGTAATCGTTCTCTGACCCCT
TGTGTCTCATATACCCTATCTGGTGGAAATGACCCTATTTGATATGCTGTCCCTTAAAAATAACTTGTATCAATA
TTAAAAATGACTATTTCTACCCTTTAAAAAATAA
AAAAA

1118/2825
FIGURE 987

MEEALGRVKLMQADLGGTEILAPLQNIYRGPSIPGHPLQLFVFTDGEVTDTFSVIKEVRINRQKHRCFSFGIGEG
TSTSLIKGIARASGGTSEFITGKDRMQSKALRTLKRSLQPVEDVSLSWHLPPGLSAKMLSPEQTVIFRGQRLIS
YAQLTGRMPAAETTGEVCLKYTLQGKTFEDKVTFPLQPKPDVNLTIHRLAAKSLLQTKDMGLRETPASDKKDALN
LSLESGVISSFTAFIAINKELNKPVQGGLAHRDVPRPILLGASAPLKIKCQSGFRKALHSDRPPSASQPRGELMC
YKAKTFQMDDYSLCGLISHKDQHSPGFGENHLVQLIYHQNANGSWDLNEDLAKILGMSLEEIMAAQPAELVDSSG
WATILAVIWLHSNGKDLKCEWELLERKAVAWMRAHAGSTMPSVVKAATFLKSSVDPAIFAF

1119/2825
FIGURE 988

AAGCCACAGGCTCCCTGGCTGGCGTCAGCTAAAGTGGCTGTTGGGTGTCCGCAGGCTTCTGCCTGGCCGCCGCCG
CCTATAAGCTACCAGGAGGAGCTTTACGACTTCCCGTCCCTGCGGGAAGTGGCGGGCACGATCGCAAGGTAGCGCA
GAAGCTTCTCAAATGGCCAGCGCCAGCTGCAGCCCCGGCGGCGCACTCGCCTCACCTGAGCCTGGGAGGAAAAATTC
TTCCAAGGATGATCTCCCACTCAGAGCTGAGGAAGCTTTTCTACTCAGCAGATGCTGTGTGTTTTGATGTTGACA
GCACGGTCATCAGTGAAGAAGGAATCGGATGCTTTCATTGGATTTGGAGGAAATGTGATCAGGCAACAAGTCAAG
GATAACGCCCAAATGGTATATCACTGATTTTGTAGAGCTGCTGGGAGAACCGGAAGAATAACATCCATTGTCATAC
AGCTCCAAACAACCTTCAGATGAATTTTACAAGTTACACAGATTGATACTGTTTGCTTACAATTGCCTATTACAA
CTTGCTATAAAAAGTTGGTACAGATGATCTGCACTGTCAAGTAACTACAGTTAGGAATCCTCAAAGATTGGTTT
GTTTGTTTTTAACTGTAGTTCCAGTATTATATGATCACTATCGATTTCTGGAGAGTTTTGTAATCTGAATTCTT
TATGTATATTCCTAGCTATATTTATACAAAGTGTTTTAAGAGTGGAGAGTCAATTAAACACCTTTACTCTTAGG
AATATAGATTCGGCAGCCTTCAGTGAATATTGGTTTTTTCCCTTTGGTATGTCAATAAAAGTTTATCCATGTGT
CAGAAAAAAAAAAAA

1120/2825
FIGURE 989

MASASCSPGGALASPEPGRKILPRMISHSELRLFYSDAVCFDVDSTVISEEGIGCFHWIWRKCDQATSQG

1121/2825
FIGURE 990A

GCCCCGGGCAGGTGGTTGCAGCATTGCAGAAGAGAAAAAGTAGTTTGTGGCAGAGAATCAGGTATTAATGGAAAGA
CTCAATCAATCTGATTCTATAGAAGACCCTAACAGTCCAGCAGGAAGAAGGCATTTGCAGCTCCAGACTCAATTA
GAACAGCTCCAAGAAGAAACATTTCAGACTAGAAGCAGCCAAAGATGATTATCGAATACGTTGTGAAGAGTTAGAA
AAGGAGATCTCTGAACTTCGGCAACAGAATGATGAACTGACCACCTTTGGCAGATGAAGCTCAGTCTCTGAAAGAT
GAGATCGACGTGCTGAGACATTCTTCTGATAAAGTATCTAAACTAGAAAGGTCAAGTATCACTAGAATTCAGCGGC
CGCTGAATTCTAGGGAGGCGCGCCCCCGGCTGGGCGCCGCGCGCACCATGGGGCTCCAGCGCTCGAGTTCAGC
GACTGCTGCCTCGATAGTCCGCACTTCCGAGAGACGCTCAAGTCGCACGAAGCAGAGCTGGACAAGACCAACAAA
TTCATCAAGGAGCTCATCAAGGACGGGAAGTCACTCATAAGCGCGCTCAAGAATTTGTCTTCAGCGAAGCGGAAG
TTTGCAGATTCTTAAATGAATTTAAATTTTCAGTGCATAGGAGATGCAGAAACAGATGATGAGATGTGTATAGCA
AGGTCTTTGCAGGAGTTTGCCACTGTCCTCAGGAATCTTGAAGATGAACGGATACGGATGATTGAGAATGCCAGC
GAGGTGCTCATCACTCCCTTGGAAGTTTCGAAAGGAACAGATCGGGGCTGCCAAGGAAGCCAAAAAGAAATAT
GACAAAGAGACAGAAAAGTATTGTGGCATCTTAGAAAAACACTTGAATTTGTCTTCCAAAAAGAAAGAAATCTCAG
CTTCAGGAGGCAGACAGCCAAGTGGACCTGGTCCGGCAGCATTCTATGAAGTATCCCTGGAATATGTCTTCAAG
GTGCAGGAAGTCCAAGAGAGAAAGATGTTTGAGTTTGTGGAGCCTCTGCTGGCCTTCTGCAAGGACTCTTCACT
TTCTATCACCATGGTTACGAACCTGGCCAAGGATTTCTGGGGACTTCAAGACACAGTTAACCATTAGCATACAGAAC
ACAAGAAATCGCTTTGAAGGCACTAGATCAGAAGTGAATCACTGATGAAAAAGATGAAGGAGAATCCCCCTTGAG
CACAAGACCATCAGTCCCTACACCATGGAGGGATACCTCTACGTGCAGGAGAAACGTCACTTTGGAACCTCTTG
GTGAAGCACTACTGTACATATCAACGGGATTCCAAACAAATCACCATGGTACCATTTGACCAAAAGTCAGGAGGA
AAAGGGGGAGAAGATGAATCAGTTATCCTCAAATCCTGCACACGGCGGAAAACAGACTCCATTGAGAAGAGGTTT
TGCTTTGATGTGGAAGCAGTAGACAGGCCAGGGGTTATCACCATGCAAGCTTTGTGCGAAGAGGACCGGAGGCTC
TGGATGGAAGCCATGGATGGCCGGGAACCTGTCTACAACCTCGAACAAAGACAGCCAGAGTGAAGGGACTGCGCAG
TTGGACAGCATTGGCTTCAGCATAATCAGGAAATGCATCCATGCTGTGGAACCAGAGGGATCAACGAGCAAGGG
CTGTATCGAATTGTGGGGGTCAACTCCAGAGTGCAGAAAGTTGCTGAGTGTCTGATGGACCCCAAGACTGCTTCT
GAGACAGAAAACAGATATCTGTGCTGAATGGGAGATAAAGACCATCACTAGTGTCTGAAGACCTACCTAAGAATG
CTTCCAGGACCCTCATGATGTACCAGTTTCAAAGAAGTTTCATCAAAGCAGCAAAACTGGAGAACCAGGAGTCT
CGGGTCTCTGAAATCCACAGCCTTGTTTCATCGGCTCCCGAGAAAAAATCGGCAGATGTTACAGCTGCTCATGAAC
CACTTGGAATGTTGCTAACAACCACAAGCAGAATTTGATGACGGTGGCAAACCTTGGTGTGGTGTGTTGGACCC
ACTCTGCTGAGGCCCTCAGGAAGAAACAGTAGCAGCCATCATGGACATCAAATTTCAGAACATTGTCAATTGAGATC
CTAATAGAAAAACCAGAAAAGATATTTAACACCGTGCCCGATATGCCTCTCACCATGCCAGCTGCACCTGTCT
CGGAAGAAGAGCAGTGACTCCAAGCCCCCGTCTGCAGCGAGAGGCCCTGACGCTCTTCCACACCGTTCACTCA
ACAGAGAAACAGGAACAAAGGAACAGCATCATCAACTCCAGTTTGAATCTGTCTCATCAAATCCAAACAGCATC
CTTAATTCCAGCAGCAGCTTACAGCCCAACATGAACTCCAGTGACCCAGACCTGGCTGTGGTCAAACCCACCCGG
CCCAACTCACTCCCCCGAATCCAAGCCCAACTTCACCCCTCTCGCCATCTTGCCCATGTTCTCGGCGCCATCC
AGCCCTATGCCACCTCATCCAGTCCAGCGACTCATCCCCGTCAGGTCTGTTGCAGGGTTTGTGTTGGTTTTCT
GTTGCTGCCGTTGTTCTCTCATTGGCTCGGTCCTCTCTTCATGCAGTGTTTCAGCCTCCTCGTCAACTTTGTTCCC
TGCCATCCAAACCTGCACTTGCTTTTGGACAGGCCAGAAGAAGCGGTACATGAAGACTCCAGCACACCGTTCCGG
AAGGCAAAAGCCTTGATGCCGTGCAAAGCTGAACATGACTCAGAACTTTCGTTACAGCAGGCACGGTCTTCGAT
AATGTTCACCCATCTCAGGAGCCTGGCTGGTTGGAGGGGACTCTGAACGGAAAGACTGGCCTCATCCCTGAGAAT
TACGTGGAGTTCTCTAAACCGTGGGCCCCAGCAGAACTGCTGAGCTTTACATGGTATCCATGACAACCTGCTGATT
CCAGTGTGAGGGCCATTTCTCTTTGCCACTGAGAAATGCAGCGTGACTGACTCTGTTGCTACCTGTCAACATGAA
TGTTTCTGTGAGCTCTGGTGTCACTCATCTCCATGATCATCTCAGCCAACATGCATCAGTACTGCAAGAAAAGAA
GTCAATCAGCAGAGGAGAGCATTGATAACTAAGAGGAAGACTTGCAAGCCGTTTTCTCATGAGTACCCTGAAT
AGGGGGCACTCATTTTGTGTTCAACGGTCCAAACGCCCAACCTTCAGAAAGAGGAAGTCAGATAGAAATAGTCCCT
GAGAGCACACTGTGTAGCTAAGCCTGCTGGGGCTGGGTGAAGAAATTGGCGCTGAGATCCAGGCTGGATCCATTG
CTTTTGTGTTACAATAGGCACTCTCTTACCCACCTCTCAGTACTTGAGACTTAAAGTGCTACAGGCAGCTGGAT
CTGTTTGCATGCAGGATGAAGAGGGTTAAACACTGTTTATATAAGATCCAATCTCTCACCATCTCTAAAGCAGC
CGTTGGCCTGTCACTGAGTACATCAATCCAGTCTTCTCATGCACGGGAACACACACACCCTGCGTTTTCTCCCTC
CCAGGCTAGGAACCTCTCTGCCACCAAGGGCTGCCATCCATGCCTAGTAACCACGGCAACCCAACCTACTCTAA

1122/2825
FIGURE 990B

AACCAAACCAAAAAATAAAATAACACATCCTCTTTGCATGACACATTTTTTTTTCTCCCTTTTTTGGTACACTTT
TTTTGAATGGTTTTCTAACAACCTTGAAGCACAGGATCAAGGAATTAGGGTGGTCTACTTGAGGCAGATGGGATAG
TAGCTGGGAACGTGTTCCCTTTCTGATTAATTTTCTGCTCCTCCATGCAACTGATGTTTGTTTTTAAAGGGTAAGATGC
TGAGATTAAATTACATAGTCTTAATATTTCTGTTCCCTCCATGCAACTGATGTTTGTTTTTAAAGGGTAAGATGC
TGCTCCCAATGGGTGATGCCATCTGACTGGTTTCCCATGTCCTCCCATTCACCCATCTCTGCTCCCACCCTTG
CCTGCCCTCTAACCACCACCTGGCCAGCCCCCTTGCCCTACTCTGGGCTGCTGAACACTGGTGTCTGTGGTGGTTTT
CAAGGTTAATTCCTAGGCTAACCGTATGGCCTATAGTTTAAAAGCACATCTATGTTCACTGCCACTCTGAAAAAG
GGAATTATTTCTCAGTCTTTCAAGGCTTGAGACTAATATAGGCCATTGTGATTGAGGAAGAAACCAAGGTTGGA
GGGTGGGATGAGTACCCTCTGAAAAAGGGAATTTGCTGGTGAAAAGAGGCTGGATCTTGTTGGAAGACTGTCTTGG
ATGGGGAAGTACTACCTGGAGATTTCAAATTCACTTGGCCTGCAAACAACAGAGTTATCCGTATCTTCCACATGT
GAATGTCATTGCAAGGGTGACTCTAGACAAACTACAAACCGATGGACCGTCAAGCTCCCCAGGAGCCCCCTTGGAT
GGCAGCGTTGCTTCAGAGTGTTCCTGTTTCTGGAATTCCTTGTTAGGGAACTTTAAAGAAGAAAAGAAAAACTT
GAATGTGTTGAATTACTGTATCTTTTACTTTTTTTTTTTTGAAGATAAACTTGTAATAGAGTGATTTGAAAT
ACTATATGGCAAAGTTTTATATTTGATATTCTTTAAGTTAGTTGCTCACACACTTAGGCTTTGATTGCTGAAGAA
GTATGTTTAAAGAGGGAGAGAGGGGAGGCAAGCTGAAGAGAGTCAAGGTCAGTGTCCCCGCTTCGGCCTGAAGGA
AAGAGAAGACATTTCTATGGCCTTGCTCTCTGCTGTCTGTTGGTGGGCACGACACATCAGTGGTGTTCAGTCTT
TATGTGTTTTTAAAGCATCCCTTGGGCTTTGGATTGAGATGGGAAGAGCATCTCCAGGCAATGAGTTTTTCAA
GAATGCCTACTTAGTAGTAAGATGAAGCTCAGGATTTAAATAAGTGGGGTCAGGCATTCGAGTTTTTGTCTTTCT
TCTCAGGTGTATTTCTTGGTACCCCCAAGATATCAGGCCAGAAAGAGATGAGTCAGTTGCTGTGCTCTTTACTTC
TTTTTCTCCACATCTTCTGAGGCTTTAGAAATGTGGACAAGCTAGTTTTCAAATTTTGTGTGCGTCTGTAAGTTC
TTAAAGAACCAGCTTCTTAGAATGTTTCAATGTGCTGTGCTTTCCCTTCTCCTAAACATTTTAAAACCT
CTTCCCTTTCACCTCCAATTCCCGTGATCCCCAAAAGAAGAGGAAGACTCCAGGAGGGGTATAGATTGTGCCGTCA
TAGCTTTACAGGTGGTTTTTAAAGTTAGCAGGGGTTTGTCATGGTGATTCACTACTCAGTTTATCAGCTCAAGGAT
TATACAGCTCTTTTTCCGGGAACCTACCCAGGAGCAAGCGAGACACTACCATTGAATCAGGGAATGAGAATTAAGA
ATGGACAGGACCAAGACAGAACTCAAGAAAGCCACTGGGGAAAACCTCGAGAAGAAAGGGAGTATACTAGTAGGTT
AGATCTGTGAACCTGAGGACAAGAAGACCTTGGGAAAATGGAGGCCTCAGGGGATGTGCATTCACATACTATTACG
CTTCTCAAAGAGAGACCAACATCATGCTTTTAAACACATTTGATGAGGTTTTTTATTTGTGTTTTTGTGTTTTT
TGAGATGGAGTCTCACTCTGTGGCCAGGCTGGAGTGCACTGGCGCGGTCTTGGCTCACTGCAACCTCCGCTCC
CGGGTTCAAGTGATTCTCCTGTCTCAGCCTCCCAAGTAGCTGGGACTGCAGGCATGAGCCATCACACCCGGCTGG
TTTTTTGTGTTTTTAGTAGAGATGGGGTTTTGCCATGTTTGCCGGGTGATCTCGAACTCCTGACCTCAAGTGAT
CTGCCCCTTCGGACCCCCAAAGTGCTGGGATTCCAGGTGTGAGCCGCTGCGGCCGACCACATTTGATGTTTGAA
GTTGTAATCTGTCCCATCATAAACTTACCTGGAGCTCATGTGGAGGAACAGAAGGCCAAGATCCTTGCTTTGGGG
GTGCTCACGAAGCATCCCTGTAGACACTTGGCCCCAGCTTCACTGCTTGAAGCATGTCCCTCCCTCTTGAGTT
GGCTCTGATTTGAAATCGGGAGAAACAGAGCTGCTGCCAATGGGATCTTTAGGTAACCTCCCTCCCTAGCTTCCG
TGTGTCTGTGCAGTGCCCATGAGCTGCTGCCAATGGGATCTTTCAGGTACCCCTCCCAAGCTTCCCTGTGGCTG
TGCGGTGCCCTTGACAGATGGCTTCTCTGTTTCCCTTTGCCAGCCAGGCTCCCTCCTTCTATTAGCTACAAA
ACTGGATAAACTTCAGAATATGAGCCAATGAGTAGGAAGGAACCTTGAAGACTAAAGATTTTACTCTCTCCCTAT
CCATGCCCCCTACCTCTGACTCTCTCTGTGTGAACAGGAAACTTTAGGGTAGATGAGGAGAATGAATTGGTTATC
AGAGTGGAAGACCATGGCCAGGATCCCTGAGCTTTCCAGTAGCCTCCAGTTTCCTTTGTAAGACCCAGGGATC
ACTTAGCCATAGCCTGAATCTTTAGGGGTATTAAGGTCAGCCTCTCACTCTTCCTCAGGTTACTAACAATAAT
TCGTAGCTAAAGAAATGCCATGGCCGGGTGCAAGTGGCTCACGCCTATAATCCCAGCACTTTGGGAGGCCGAGGCGG
GCGGATCACGAGGTCAGGAGATTGAGACCATCTGGCTACGACGGTGAAGCCCCGTCTCTGCTAAGAGTGCAAAA
AATTAGCCGGGTGTGGTGGCGGGCGCCTGTAGTCCCAGCTACTCTGGAGGCTGAGGCAGGAGAATGGCATGAGCC
CGGGAGGCGGAGATTGCGGTGAGCCAAGATCGCGCCCCCTGCACTCCAGCCTGGGTGACAGAGCCAGACTCCGTCT
CAAAGG

1123/2825
FIGURE 991

MGLPALEFSDCCLDSPHFRETLSHEAELDKTNKFIKELIKDGKSLISALKNLSSAKRKFADSLNEFKFQCIGDA
ETDDDEMCIARSLQEFATVLRNLEDERIRMIENASEVLITPLEKFRKEQIGAAKEAKKKYDKETEKYCGILEKHLN
LSSKKKESQLQEADSQVDLVRQHFYEVSLLEYVFKVQEVQERKMFEFVEPLLAFLQGLFTFYHHGYELAKDFGDFK
TQLTISIQNTRNRFEGTRSEVESLMKKMKENPLEHKTISPYTMEGYLYVQEKRHFGTSSWVKHYCTYQRDSKQITM
VPFDQKSGGKGGEDESILKSCTRRKTDSEIKRRCFDVEAVDRPGVITMQALSEEDRRLWMEAMDGREPVYNSNK
DSQSEGTAQLDSIGFSIIRKCIHAVETRGINEQGLYRIVGVNSRVQKLLSVLMDPKTASETETDICAWEIKTIT
SALKTYLRMLPGPLMMYQFQRSFIKAAKLENQESRVSEIHSVLVHRLPEKNRQMLQLLMNHLANVANNHKQNLMTV
ANLGVVFGPTLLRPQEETVAAIMDIKFQNIIVIEILLENHEKIFNTVPDMPLTNAQLHLRSKKSSDSKPPSCSERP
LTLFHTVQSTKQEQRNSIINSSLESVSSNPNSILNSSSSSQPNMNSSDPDLAVVKPTRPNSLPNPSPSTSPSP
SWPMFSAPSSPMPTSSSTSSDSSPVRSVAGFVWFSVAAVVLSSARSSLHAVFSLLVNFVPCHPNLHLLFDRPEEAV
HEDSSTPFRKAKALYACKAEHDSLSFTAGTVFDNVHPSQEPGWLEGTLLNGKTGLIPENYVEFL

1124/2825
FIGURE 992

TTTTTTTTTTTTTGGCGGAGTCGAGCGGGTGCTGCTAGCGGAGGCGCCATATTGGAGGGGACAAAACCTCCGGCG
ACAGCGAGTGACACAAATAAACCCCTGGACCCCTTGTTCCCTCAGCTCTAAGGGCCGCGATGTTGTACCTAGAA
GACTATCTGGAAATGATTGAGCAGCTTCCTATGGATCTGCGGGACCGCTTCACGGAAATGCGCGAGATGGACCTG
CAGGTGCAGAATGCAATGGATCAACTAGAACAAAAGAGTCAGTGAATTCTTTATGAATGCAAAGAAAAATAAACCT
GAGTGGAGGGAAGAGCAAATGGCATCCATCAAAAAAGACTACTATAAAGCTTTTGAAGATGCAGATGAGAAGGTT
CAGTTGGCAAACAGATATATGACTTGGTAGATCGACACTTGAGAAAGCTGGATCAGGAAGCTGGCTAAGTTTAAA
ATGGAGCTGGAAGCTGATAATGCTGGAATTACAGAAATATTAGAGAGGCGATCTTTGGAATTAGACACTCCTTCA
CAGCCAGTGAACAATCACCATGCTCATTACATACTCCAGTGGAAAAAAGGAAATATAATCCAACCTCTCACCAT
ACGACAACAGATCATATTCCTGAAAAGAAATTTAAATCTGAAGCTCTTCTATCCACCCTTACGTCAGATGCCTCT
AAGGAAAATACACTAGGTTGTGCGAAATAATAATTCACAGCCTCTTCTAACAATGCCTACAATGTGAATTCCTCC
CAACCTCTGGGATCCTATAACATTGGCTCGTTATCTTCAGGAAGCTGGTGCAGGGGCAATTACCATGGCAGCTGCT
CAAGCAGTTCAGGCTACAGCTCAGATGAAGGAGGGACGAAGAACATCAAGTTTAAAAGCCAGTTATGAAGCATTT
AAGAATAATGACTTTCAGTTGGGAAAAGAATTTCAATGGCCAGGGAAACAGTTGGCTATTCATCATCTTCGGCA
CTTATGACAACATTAACACAGAATGCCAGTTCATCAGCAGCCGACTCACGGAGTGGTCGAAAGAGCAAAAACAAC
AACAAAGTCTTCAAGCCAGCAGTCATCATCTTCCTCCTCCTCTTCTTCCTTATCATCGAGTTCTTCATCATCAACT
GTTGTACAAGAAATCTCTCAACAAACAAGTGTAGTGCCAGAATCTGATTCAAATAGTCAGGTTGATTGGACTTAC
GACCCAAATGAACCTCGATACTGCATTTGTAATCAGGTATCTTATGGTGAGATGGTGGGATGTGATAACCAAGAT
TGCCCTATAGAATGGTTCCATTATGGCTGCGTTGGATTGACAGAGGCACCAAAGGCAAATGGTACTGTCCACAG
TGCACTGCTGCAATGAAGAGAAGAGGCAGCAGACACAAAATAAGGTGGTCCTTTTGTGTTGATGAAGAAAATAAACT
TCAGCTGAAGATTTTATATAGGACTTTAAAAAGAAAGAGAAGAGAAAGAAGAAACAATGCATTTCCAGGCAACCAC
TTAAAGGATTTACATAGACAATCCTATAAGATCTTGAACCTGAATTTTATGGGTTGTATTTTAATAATGTAAGTA
AATTATTTATGCACTCCTGGTGTGCTATGAATATTATTCCAGTTAGCCTTGGATTATTTTCAAGTGGCCAACATATG
CAGACATTTGTACTCCTCAACCATTTTCTCAAAGTAATGGGCATTCTATGATTTAGACTTCAAGGAATTCGAATG
ATGAAGATTTTAAGGAAAGTATTTTATATTCAACAGGTATATTCTGCTGCATGTACTGTACTCCAGAGCTGTTAT
GTAACACTGTATATAAATGGTTACAAAAA

1125/2825
FIGURE 993

MLYLEDYLEMIEQLPMDLRDRFTEMREMDLQVQNAMDQLEQRVSEFFMNAKKNKPEWREEQMASIKDYYKALED
ADEKVQLANQIYDLVDRHLRKLDQELAKFKMELEADNAGITEILERRSLELDTPSQPVNNHHAHSHTPVEKRKYN
PTSHHTTTDHIPEKKFKSEALLSTLTSDASKENTLGCRNNNSTASSNNAYNVNSSQPLGSYNIGSLSSGTGAGAI
TMAAAQAVQATAQMKEGRRTSSLKASYEAFKNND FQLGKEFSMARETVGYSSSSALMTTLTQNASSAADSRSRGR
KSKNNNKSSSQSSSSSSSSSSSLSSSSSSSTVVQEISQQTTVVPESDSNSQVDWTYDPNEPRYCICNQVSYGEMVG
CDNQDCPIEFWFHYGCVGLTEAPKGKWYCPQCTAAMKRRGSRHK

1126/2825
FIGURE 994

GCGGCCCAGGCCCGGAACCTTCCCTGGTCGTGCGCCCTATGTAAGGCCAGCCGCGGCAGGACCAAGGCGGCGGTG
TCAGCTCGCGAGCCTACCCTCCGCGGACGGTCTTGGGTCGCTGCTGCCTGGCTTGCCTGGTCGGCGGCGGGTGC
CCCGCGCGCACGCGCAAAGCCCGCCGCGTTCCCCGACCCAGGCCGCGCTCTGTGGGCCTCTGAGGGCGGCATGC
GGGACTACGACGAGGTGACCGCCTTCCCTGGGCGAGTGGGGGCCCTTCCAGCGCCTCATCTTCTTCTGCTCAGCG
CCAGCATCATCCCCAATGGCTTACC GGCCCTGTCTCCGTGTTCCCTGATAGCGACCCCGGAGCACCCTGCCGGG
TGCCGGACGCCGCGAACCTGAGCAGCGCCTGGCGCAACCACACTGTCCCACTGCGGCTGCGGGACGGCCGCGAGG
TGCCCCACAGCTGCCGCCGCTACCGGCTCGCCACCATCGCCAACCTTCTCGGCGCTCGGGCTGGAGCCGGGGCGCG
ACGTGGACCTGGGGCAGCTGGAGCAGGAGAGCTGTCTGGATGGCTGGGAGTTCAGTCAGGACGTCTACCTGTCCA
CCATTGTGACCGAGTGGAACTGGTGTGTGAGGACGACTGGAAGGCCCCACTCACAATCTCCTTGTCTTCGTGG
GTGTGCTGTTGGGCTCCTTCATTTACAGGCGAGCTGTCAGACAGGTTTGGCCGGAAGAATGTGCTGTTTCGTGACCA
TGGGCATGCAGACAGGCTTCAGCTTCCCTGCAGATCTTCTCGAAGAATTTTGAGATGTTTGTGCTGCTGTTTGTCC
TTGTAGGCATGGGCCAGATCTCCAACATATGTGGCAGCATTTGTCTGGGGACAGAAATTTCTGGCAAGTCAGTTC
GTATAATATTCTCTACGTTAGGAGTGTGCATATTTTATGCATTTGGCTACATGGTGTGCTGCCACTGTTTGTCTTACT
TCATCCGAGACTGGCGGATGCTGCTGGTGGCGCTGACGATGCCGGGGGTGCTGTGCGTGGCACTCTGGTGGTTCA
TCCCTGAGTCCCCCGATGGCTCATCTCTCAGGGACGATTTGAAGAGGCAGAGGTGATCATCCGCAAGGCTGCCA
AAGCCAATGGGATTGTTGTGCCTTCCACTATCTTTGACCCGAGTGAGTTACAAGACCTAAGTTCCAAGAAGCAAC
AGTCCCACAACATTCTGGATCTGCTTCCGAACCTGGAATATCCGGATGGTCACCATCATGTCCATAATGCTGTGGA
TGACCATATCAGTGGGCTATTTTGGGCTTTCGCTTGATACTCCTAACTTGCAATGGGGACATCTTTGTGAAGTGTGCT
TCCTTTTACGCGATGGTTGAAGTCCCAGCATATGTGTTGGCCTGGCTGCTGCTGCAATATTTGCCCGCGCTATT
CCATGGCCACTGCCCTCTTCCCTGGGTGGCAGTGTCTTCTCTTCATGCAGCTGGTACCCCCAGACTTGTATTATT
TGGCTACAGTCCCTGGTGATGGTGGGCAAGTTTGGAGTACGGGCTGCCTTTTCCATGGTCTACGTGTACACAGCCG
AGCTGTATCCACAGTGGTGAGAAACATGGGTGTGGGAGTCAGCTCCACAGCATCCCGCCTGGGCAGCATCCTGT
CTCCCTACTTTCGTTTACCTTGGTGCCTACGACCGCTTCCCTGCCCTACATTCTCATGGGAAGTCTGACCATCCTGA
CAGCCATCCTCACCTTGTCTTCTCCAGAGAGCTTCGGTACCCCACTCCAGACACCATTGACCAGATGCTAAGAG
TCAAAGGAATGAAACACAGAAAACTCCAAGTCACACAAGGATGTTAAAGATGGTCAAGAAAGGCCCAATCC
TTAAAGCACAGCCTTCTAAACATCGCTTCCAGTAAGGGAGAACTGAAGAGGAAAGACTGTCTTGTAGAAATGG
CCAGCTTGTGCAGACTCCGAGTCTTTCAGTGACAAAGGCCTTTGCTGTTTGTCTCTTACCTGTGTCTGACTTG
CTCTGGATGGGCACCCACACTCAGAGGCTACATATGGCCCTAGAGCACCACCTTCTCTAGGGACACTGGGGCT
ACCTACAGACAACTTCATCTAAGTCTTAACATATTACAATGATGGACTCAGCACCTCCAAAGCAGTTAATTTTCA
CTAGAACCAGTGAGATCTGGAGGAATGTGAGAAGCATATGCTAAATGTACATTTTAATTTTAGACTACTTGAAAA
GGCCCCAATAAGGCTAGAGGTCTAAGTCCCCCACCCTTTCCCCACTCCCCTCTAGTGGTGAACCTTTAGAGGAA
AAGGAAGTAATTGCACAAGGAGTTTGATTCTTACCTTTTCTCAGTTACAGAGGACATTAAGTGGATCATTGCTTC
CCCAGGGCAGGAGAGCGCAGAGCTAGGGAAAGTGAAAGGTAATGAAGATGGAGCAGAATGAGCAGATGCAGATCA
CCAGCAAAGTGCAGTGTGTGAGCTCTTAAGACCACTCAGCATGACGACTGAGTAGACTTGTCTTACATCTGAT
CAAAGCACTGGGCTTGTCCAGGCTCATAATAAATGCTCCATTGAATCTACTATTCTTGTCTTCCACTGCTGTGGA
AACCTCCTTGCTACTATAGCGTCTTATGTATGGTTTAAAGGAAATTTATCAGGTGAGAGAGATGAGCAACGTTGT
CTTTTCTCTCAAAGCTGTAATGTGGGTTTTGTCTTACTGTTTATTTGTTTGTGTTGTATCCTTTTCTCCTTGT
ATTTGCCCTTCAGAATGCAGTTGGGAAAGGCTGGTTCCCTTAGCCTCCTGGTTTGTGCTTTTTTTTTTTTTTTTT
AAACACAGAATCACTCTGGCAATTGTCTGCAGCTGCCACTGGTGCAAGGCCTTACCAGCCCTAGCCTCTAGCACT
TCTCTAAGTGCCAAAAACAGTGTCTATTGTGTGTGTTTCTTTCTTGATACTTAGTCATGGGAGGATATTACAAAA
AGAAATTTAAATTGTGTTTCATAGTCTTTCAGAGTAGCTCACTTTAGTCCTGTAACCTTTATTGGGTGATATTTGT
GTTTCAAGTGAATGTCTTCTCTTTGCTGATTATGTTACCATGGTACTCCTAAAGCATATGCCTCACCTGGTTAA
AAAGAACAACATGTTTTTGTGAAAGCTACTGAAGTGCTTGGGAAATGAGAAAGTTTTAATAAGTAAATGATT
TTTTAAATATCAAAAAAAAAAAAAAAAAA

1127/2825
FIGURE 995

MRDYDEVTAFLGEWGPFQRLIFFLLSASIIIPNGFTGLSSVFLIATPEHRCRVPDAANLSSAWRNHTVPLRLRDGR
EVPHSCRRYRLATIANFSALGLEPGRDVDLGQLEQESCLDGWEFSQDVYLSTIVTEWNLVCEDDWKAPLTISLEFF
VGVLLGSFISGQLSDRFGRKNVLFVTMGMQTGFSLQIFSKNFEMFVVLFFVLVGMGQISNYVAAFVLGTEILGKS
VRIIFSTLGVCIFYAFGYMVLPLFAYFIRDWRMLLVALTMPGVLCVALWWFIPESPRWLISQGRFEEAEVIIRKA
AKANGIVVPSTIFDPSELQDLSSKKQQSHNILDLLRTWNIRMVTIMSIMLWMTISVG YFGLSLDTPNLHGDI FVN
CFLSAMVEVPAYVLAWLLLQYLPRRYSMATALFLGGSVLLFMQLVPPDLYYLATVLVMVGKFGVTAAFSMVYVYT
AELYPTVVRNMGVGVSSSTASRLGSILSPYFVYLGAYDRFLPYILMGSLTILTAILTLFLPESFGTPLPDTIDQML
RVKGMKHKRTPSHTRMLKDGQERPTILKSTAF

1128/2825
FIGURE 996

CACACCTTTCCAAGGACCCCCAACTCTGCTCCGTGCACGTCAAATGCTCCTTTCCCTTGTGTCCAACCCCTAC
CCCTCTCCCTAACACCCCTCTTCTCAACAAGACTCAGCCTCTCCCCGAGGTGGGTGAGCATCCTTGAGGTTTCCC
ACCCTTAACTGCTGTGTCCCCGGATGGAGCCAGAGAAATGTGGTGGGGGGGCCGGGGCAGAGTTTCAACATTGCC
CCCCAGAAGGAGGAGCCAGAGATGGGGTCTGTCCAGGAAAACAGGATGCCGGAGCCCAGGAGTCGTCAGCCTAGC
AGTTGCCTGGCCTCCAGATGCCTCCCAGGGGAGCAGATCCTAGCATGGGCCCCAGGGGTGAGGAAGGGCCTGGAA
CCAGAATTGTCTGGAACCTGATCTGTACCAACTTTAGGGTCACCTTCCAGCCCTGTGGATGGCAGTGGAATCAG
GACACTCCCTTGAACAGTGAATACGATTTTGCCCTGGTCAACATTGGACGATTAGAGGCTGTGAGCGGCTTGTCC
CGAGTCCAGCTCCTCCGTCCAGGGTCCCTGCATAAATTTATCCCTGAGGAGATTCTGATTCATGGCCGAGACTTC
CGGCTGCTCAGAGTTGGTTTTTGAGGCTGGAGGCCTAGAGCCTCAGGCTTTTCAGGTGACCATGGCCATTGTCCAA
GCCAGAGCTCAGAGCAATCAAGCCCCAAGTATTCGGGGATAACCCTGAGCAAGGCTGGCCAGGGTTCTGGCTCC
AGAAAACCACCAATTCTCTCATGGAGACAGCGGAAGACTGGGAGACTGAGCGGAAGAAGCAGGCAGCCAGAGGC
TGGAGGGTCAGCACGGTCAACGAGAGGTTGACGTAGCCACCAGGCTCCGGTGTCTCTCTCTTCTTCTTGATTGTG
TCTGGCAGCTCCTCCAGCAGTTTCCAGCTGATTTGAATTCTCTGAGTTTTCTCTTCTTGCTCTTCATGACAGTG
TCAGGGTTCTGACACCCTTACCTTCCTGAGAAATACCCCTGGGAGCGCGGAAGCAGAGCGGACAGGTCAGTG
ACTTCTATTTTTGACTCGTGTTTTTTTTTTCCATTGAGATGTACTCTCTGAAGTTTGGTCTTGATTGTGTTTTATGA
GAAGTGAGGTCTGTGAGTGGGGAGGGGAGATTTATCTCATTTTTCAGGACGAGACTTTTGCCCTACATCTTTCC
TAGAATAAGAGGTGAGAATCTCATGATTTGTCTCTAGATGTGGGAGGATTGTGTGTAACCATCCTTTTTCTTGCT
TCCTCTGTCCAGTTAACTCCTATACACAAGTCTACACCCAGGATACTCCAGCCTCCAGCTGGGAACTCTTTTA
ACCTGCAGCTGTCTGTCTGGGACTGGGATTTACGTTATAGCAATGCACAGATACTACAATTCCAGAATCCTGGCT
ATGACCCAGAACACTGTCCAGATTCTGGCTCCCTAGACCACAGCCAAGCTTCATGGTTCTTGGAACCCCCAGTT
TTGTGTGGCTCTTCTCTAGAGGAGCATTGACCCCCCTGAATCAGCTCTGTCTTGGCGGGACAGTCCTTCCCTGC
TGGCAGTCTCTTCTCGTTGGCTCCCTCGACCTGCTATCTCCTCTGAAAGCTGGCTGACCAGGAATGGGGTCTCCC
CTCACATTGGGGAGCTTGCCCTTTACCTCCAGGGCTGCTGCTGCCTGGGTATCTGGGACCCCAGATCAGGCTCTG
GAGACGCTGCTACCTGAGGGGAAGGCCTGAGGTCCAGGTAAGAAGGGAAAATAGACTGGGAGTGGGACAAGGGAC
TTGACTCTGCTGAACCAGATGAACAGGAGCTGGAAAGGCAAGGAGCTGAAGCCTCTGGGAGTCTGGGAAGTGAAG
TTCTACTCCTCTTGGCATCAAACAAGGTTTGGGAGTGTAGGAGGTGCGGGAAAGTGCTTGTGGCTTAGATTAAGT
GGAATTTAGGGCATAGCTGAAAGGGGAAACAGAATTAAGACACCAGAAGTAGCAGAGAAGCAGGGGGCCAGAGC
TACAACAGTATTCTTCTCTGTTCCCTCTTTGCCTCCTCCCCAGATGGGCCTCTCATCTCCCACAATCTCTGGCCTC
CAGGATGAGCTATCCCATCTTCAGGAGTTATTACGGAAAGGACACCAAGAATATCTCCTGAGGATCACTCCAAGA
AAAGAGATCCACATAACCATTCTCAATCCCACTGAAATTGCTGGCATTCTCAAAGGCAGGGCAGAGGGGGATCTGG
GGTAGAGGGAGGGTTCTGTCTAATCTTTTTTTTTTCTTTTGTATCTGCACTTGCAGCCTCAGCTTTCATACTTCA
GCCCTTAAGTTCACTAAGAAGGTCTGAGTTTCTGCTGCAGATAGTGGTGTTAACTGCTCCAACCTCTGTCTTGCT
TAGTTTCTACAAATATTTTTTGCTTCTTGTCAATTTGAAGGATTAAGAAACAAAACAATCCAGAAATTGATCGGTT
TTTTTAGGCCAATCCCATCCCTTCTGGATAACCAGATGTTAAATCATGAGATCAGAGATGCTGTTTCATCAGTCCC
AACAAGATGGCCTAGAAATCGCATTCTCACCTCGCCTTGCTGCTGCTTTAATTCCAAGTTCTATTTCTTCCCTTA
TAGTTTTCTATGGGAATGAGGCGGATACAGGAAACACCCTATCTCCTCTGTATTTTTGTAGTGGAATTTCTATTT
AAGGGGCTCATTAAAGCATAGTATTTATACAC

1129/2825
FIGURE 997

MGSVQENRMPEPRSRQPSSCLASRCLPGEQILAWAPGVRKGLEPELSGTLIC TNFRVTFQPCGWQWNQDTPLNSE
YDFALVNIGRLEAVSGLSRVQLLRPGSLHKFIPEEILIHGRDFRLLRVGFEAGGLEPQAFQVTMAIVQARAQSNQ
AQQYSGITLSKAGQGSGSRKPPIPLMETAEDWETERKKQAARGWRVSTVNERFDVATRLRCFSSSLIVSGSSSSS
FQLILNSLSFSFLLFMTVSGFLTPLPS

1130/2825
FIGURE 998

CCCAGACCTAGAACTACCCAGAGCAAGACCACAGCTGGTGAACAGTCCAGGAGCAGACAAG**ATGG**GAGACAAATTC
CTCTCTCCCCACGAACATCTCTGGAGGGACACCTGCTGTATCTGCTGGCTATCTCTTCCTGGATATCATCACTTA
TCTGGTATTTGCAGTCACCTTTGTCTCGGGGTCCCTGGGCAACGGGCTTGTGATCTGGGTGGCTGGATTCCGGAT
GACACACACAGTCACCACCATCAGTTACCTGAACCTGGCCGTGGCTGACTTCTGTTTCACCTCCACTTTGCCATT
CTTCATGGTCAGGAAGGCCATGGGAGGACATTGGCCTTTTCGGCTGGTTCCCTGTGCAAATTCGTCTTTACCATAGT
GGACATCAACTTGTTTCGGAAGTGTCTTCCTGATCGCCCTCATTGCTCTGGACCGCTGTGTTTTCGTCTCCTGCATCC
AGTCTGGACCCAGAACCACCGCACCGTGAGCCTGGCCAAGAAGGTGATCATTGGGCCCTGGGTGATGGCTCTGCT
CCTCACATTGCCAGTTATCATTTCGTGTGACTACAGTACCTGGTAAAACGGGGACAGTAGCCTGCACTTTTAACTT
TTCGCCCTGGACCAACGACCCTAAAGAGAGGATAAATGTGGCCGTTGCCATGTTGACGGTGAGAGGCATCATCCG
GTTTCATCATTGGCTTCAGCGCACCCATGTCCATCGTTGCTGTGAGTTATGGGCTTATTGCCACCAAGATCCACAA
GCAAGGCTTGATTAAGTCCAGTCGTCCCTTACGGGTCCTCTCCTTTGTGCGCAGCAGCCTTTTTTCTCTGCTGGTC
CCCATATCAGGTGGTGGCCCTTATAGCCACAGTCAGAATCCGTGAGTTATTGCAAGGCATGTACAAAGAAATTGG
TATTGCAGTGGATGTGACAAGTGCCCTGGCCTTCTTCAACAGCTGCCTCAACCCCATGCTCTATGTCTTCATGGG
CCAGGACTTCCGGGAGAGGCTGATCCACGCCCTTCCCGCCAGTCTGGAGAGGGCCCTGACCGAGGACTCAACCCA
AACCAGTGACACAGCTACCAATTCTACTTTACCTTCTGCAGAGGTGGAGTTACAGGCAAAG**TGAG**GAGGGAGCTG
GGGGACACTTTCGAGCTCCAGCTCCAGCTTCGTCTCACCTTGAGTTAGGCTGAGCACAGGCATTTCTGCTTAT
TTTAGGATTACCCACTCATCAGAAAAAAAAAAAAAAAAAGCCTTTGTGTCCCTGATTTGGGGAGAATAAACAGATAT
GAGTTT

1131/2825
FIGURE 999

METNSSLPNTNISGGTPAVSAGYLFLDIITYLVFAVTFVLGVLGNGLVIWVAGFRMTHTVTTISYLNLA VADFCEFT
STLPFFMVRKAMGGHWPFGWFLCKFVFTIVDINLFGSVFLIALIALDRCVCVLHPVWTQNHRTVSLAKKVIIGPW
VMALLLTLPVIIRVTTVPGKTGTVACTFNFSPWTNDPKERINVAVAMLTVRGIIRFIIGFSAPMSIVAVSYGLIA
TKIHKQGLIKSSRPLRVLSFVAAFFLCWSPYQVVALIATVRIRELLQGMYPEIGIAVDVTSALAFFNSCLNPML
YVFMGQDFRERLIHALPASLERALTEDSTQTSDTATNSTLPSAEVELQAK

1132/2825
FIGURE 1000

GCTACACTAGAGCAGAGTACGAGTCTGAGGCGGAGGGAGTAATGCCAGGACAAGCGTTTAGAAAGTTTCTTCCAC
TCTTTGACCGAGTATTGGTTGAAAGGAGTGCTGCTGAAACTGTAACCAAAGGAGGCATTATGCTTCCAGAAAAAT
CTCAAGGAAAAAGTATTGCAAGCAACAGTAGTCGCTGTTGGATCGGGTTCTAAAGGAAAGGGTGGAGAGATTCAAC
CAGTTAGCGTGAAAGTTGGAGATAAAGTTCTTCTCCCAGAATATGGAGGCACCAAAGTAGTTCTAGATGACAAGG
ATTATTTCTATTAGAGATGGTGACATTCTTGAAAGTACGTAGACTTGAAATAAGTCACTATTGAAATGGCATC
AACATGATGCTGCCCATTCCTGAAGTTCTGAAATCTTTCGTCATGTAAATAATTTCCATATTTCTCTTTTATA
ATAAACTAATGATAACTAATGACATCCAGTGTCTCCAAAATTGTTTCCTTGTACTGATATAAACACTTCCAAATA
AAAATATGTAAAT

1133/2825
FIGURE 1001

MAGQAFRKFLPLFDRVLVERSAAETVTKGGIMLPEKSQGKVLQATVVAVGSGSKGKGGEIQPVSVKVGDKVLLPE
YGGTKVVLDDKDYFLFRDGDILGKYVD

1134/2825

FIGURE 1002

GAAGCAGGCCTGAGCCTCCCCAAAGGCAGCTCCTGGGGACTCCCAGGACCACAGGCTGAGACGAGACGCAGGGTG
GCTGGAGGAAGTGAGAGGTGAACTCAGCCTGGGACTGGCTGGGCGAGACTCTCCACCTGCTCCCTGGGACCATCG
CCCACCATGGCTGTGGCCCAGCAGCTGCGGGCCGAGAGTGACTTTGAACAGCTTCCGGATGATGTTGCCATCTCG
GCCAACATTGCTGACATCGAGGAGAAGAGAGGCTTACCAGCCACTTTGTTTTCGTCATCGAGGTGAAGACAAAA
GGAGGATCCAAGTACCTCATCTACCGCCGCTACCGCCAGTTCCATGCTTTGCAGAGCAAGCTGGAGGAGCGCTTC
GGGCCAGACAGCAAGAGCAGTGCCCTGGCCTGTACCCTGCCACACTCCCAGCCAAAGTCTACGTGGGTGTGAAA
CAGGAGATCGCCGAGATGCGGATACCTGCCCTCAACGCCTACATGAAGAGCCTGCTCAGCCTGCCGGTCTGGGTG
CTGATGGATGAGGACGTCCGGATCTTCTTTTACCAGTCGCCCTATGACTCAGAGCAGGTGCCCCAGGCACTCCGC
CGGCTCCGCCCGCGCACCCGGAAAGTCAAGAGCGTGTCCCCACAGGGCAACAGCGTTGACCGCATGGCAGCTCCG
AGAGCAGAGGCTCTATTTGACTTCACTGGAAACAGCAAAGTGGAGCTGAATTTCAAAGCTGGAGATGTGATCTTC
CTCCTCAGTCGGATCAACAAAGACTGGCTGGAGGGCACTGTCCGGGGAGCCACGGGCATCTTCCCTCTCTCCTTC
GTGAAGATCCTCAAAGACTTCCCTGAGGAGGACGACCCCACTGGCTGCGTTGCTACTACTACGAAGACACC
ATCAGCACCATCAAGTCTGTGGCCTGGGAGGGAGGGGCTGTCCAGCCTTCCTGCCATCCCTACGACCACCGCCC
CTCACATCACCTTCTCATGGGTCCCTCTCCCACTCCAAAGCCCCCAGTGGCTCCAGATGAGCCACAATGCTGTA
ACAAGCCATCAACGTCCAGGGTGGCCTGGCCAGCCTCATTTCCCTTTCCCCACCCACACCCCACTTCCAGCCT
GATGCCTCCTTACTCCAGCCTGTACCCCCCTTAGGGACATCGCGGTGGAGGAAGATCTCAGCAGCACTCCCCAT
TGAAAGACCTGCTGGAGCTACAAGGCGGGAGTTCCAGAGAGAGGACATAGCTCTGAATTACCGGGACGCTGAGG
GGGATCTGGTTCGGCTGCTGTGCGATGAGGACGTAGCGCTCATGGTGCGGCAGGCTCGTGGCCTCCCCCTCCAGA
AGCGCCTCTTCCCCTGGAAGCTGCACATCACGCAGAAGGACAACACTACAGGGTCTACAACACGATGCCATGA

1135/2825

FIGURE 1003

MAVAQQLRAESDFEQLPDDVAISANIADIEEKRGTSHFVFVIEVKTGGSKYLIYRRYRQFHALQSKLEERFGP
DSKSSALACTLPTLPKVYVGVKQEIAEMRIPALNAYMKSLLSLPVWVLMDEDVRIFYQSPYDSEQVPQALRRL
RPRTRKVKSVSPQGNVDRMAAPRAEALFDFTGNSKLELNFKAGDVIFLLSRINKDWLEGTVRGATGIFPLSFVK
ILKDFPEEDDPTNWLRCYYYEDTISTIKSVAWEGGACPAFLPSLRPPPLTSPSHGSLSHSKAPSGSQMSHNAVTS
HQRPGWPGQPHSPFPHPPTPHFQPDASLLQPVTPLGTSRWRKISAALPY

1136/2825
FIGURE 1004

GTCAGCAGAGGCCTCGCTCGGGCGCCCAGTGGTCCTGCCGCCTGGTCTCACCTCGCTATGGTTTCGTCTGCCTCTG
CAGTGCGTCCCTCTGGGGCTGCTTGCTGACCGCTGTCCATCCAGAACCACCCACTGCATGCAGAGAAAAACAGTAC
CTAATAAACAGTCAGTGCTGTTCTTTGTGCCAGCCAGGACAGAAACTGGTGAGTGACTGCACAGAGTTCACTGAA
ACGGAATGCCTTCCTTGCGGTGAAAGCGAATTCCTAGACACCTGGAACAGAGAGACACACTGCCACCAGCACAAA
TACTGCGACCCCAACCTAGGGCTTCGGGTCCAGCAGAAGGGCACCTCAGAAACAGACACCATCTGCACCTGTGAA
GAAGGCTGGCACTGTACGAGTGAGGCCTGTGAGAGCTGTGTCCTGCACCGCTCATGCTCGCCCGGCTTTGGGGTC
AAGCAGATTGCTACAGGGGTTTCTGATAACCATCTGCGAGCCCTGCCAGTCGGCTTCTTCTCCAATGTGTCATCT
GCTTTCGAAAAATGTCACCCCTTGACAAGCTGTGAGACCAAAGACCTGGTTGTGCAACAGGCAGGCACAAACAAG
ACTGATGTTGTCTGTGGTCCCCAGGATCGGCTGAGAGCCCTGGTGGTGATCCCCATCATCTTCGGGATCCTGTTT
GCCATCCTCTTGGTGCTGGTCTTTATCAAAAAGGTGGCCAAGAAGCCAACCAATAAGGCCCCCCACCCCAAGCAG
GAACCCAGGAGATCAATTTTCCCGACGATCTTCCTGGCTCCAACACTGCTGCTCCAGTGCAGGAGACTTTACAT
GGATGCCAACCAGTCACCCAGGAGGATGGCAAAGAGAGTCGCATCTCAGTGCAGGAGAGACAGTGAAGGCTGCACC
CACCCAGGAGTGTGGCCACGTGGGCAAACAGGCAGTTGGCCAGAGAGCCTGGTGCTGCTGCTGCTGTGGCGTGAG
GGTGAGGGGCTGGCACTGACTGGGCATAGCTCCCCGCTTCTGCCTGCACCCCTGCAGTTTGAGACAGGAGACCTG
GCACTGGATGCAGAAACAGTTCACCTTGAAGAACCTCTCACTTCACCCTGGAGCCCATCCAGTCTCCCAACTTGT
ATTAAAGACAGAGGCAGAAAAAAAAAAAAAAAAA

1137/2825
FIGURE 1005

MVRLPLQCVLWGCLLTAVHPEPPTACREKQYLINSQCCSLCQPGQKLVS DCTEFTETETEC LPCGESEFLDTWNRET
HCHQH KYCDPNLGLRVQQGTSETDTICTCEEGWHCTSEACESCVLHRSCSPGFGVKQIATGVSDTICEPCPVGF
FSNVSSAFEKCHPWTSCETKDLVVQQAGTNKTDVCGPQDRLRALVVIPIIFGILFAILLVLVFIKKVAKKPTNK
APHPKQEPQEINFDDLPGSNTAAPVQETLHGCQFVTQEDGKESRISVQERQ

1138/2825
FIGURE 1006

GACCCGGCC**ATG**CGCGGCCCTCGGGCTCTGGCTGCTGGGCGCGATGATGCTGCCTGCGATTGCCCCAGCCGGCCC
TGGGCCCTCATGGAGCAGTATGAGGTGCTGTTGCCCGGGCGTCTGCCAGGCCCCGAGTCCGCCGAGCTCTGCCC
TCCCACCTTGGGCGCTGCACCCAGAGAGGGTGAGCTACGTCCCTTGGGGCCACAGGGCACAACCTTACCCCTCCACCTG
CGGAAGAACAGGGACCTGCTGGGTTCCGGCTACACAGAGACCTATACGGCTGCCAATGGCTCCGAGGTGACGGAG
CAGCCTCGCGGGCAGGACCACTGCTTATACCAGGGCCACGTAGAGGGGTACCCGGACTCAGCCGCCAGCCTCAGC
ACCTGTGCCGGCCTCAGGGGTTTCTTCCAGGTGGGGTCAGACCTGCACCTGATCGAGCCCCCTGGATGAAGGTGGC
GAGGGCGGACGGCAGCCGTGTACCAGGCTGAGCACCTGCTGCAGACGGCCGGGACCTGCGGGGTGACGACGAC
AGCCTGGGCAGCCTCCTGGGACCCCGGACGGCAGCCGTCTTCAGGCCTCGGCCCGGGGACTCTCTGCCATCCCGA
GAGACCCGCTACGTGGAGCTGTATGTGGTCTGTGGACAATGCAGAGTTCCAGATGCTGGGGAGCGAAGCAGCCGTG
CGTCATCGGGTGTGAGGTGGTGAATCACGTGGACAAGCTATATCAGAACTCAACTTCCGTGTGGTCTTGGTG
GGCCTGGAGATTTGGAATAGTCAGGACAGGTTCCACGTACAGCCCCGACCCAGTGTACACTGGAGAACCTCCTG
ACCTGGCAGGCACGGCAACGGACACGGCGGCACCTGCATGACAACGTACAGCTCATCACGGGTGTGCACTTCACC
GGGACTACTGTGGGGTTTGCCAGGGTGTCCGCCATGTGCTCCACAGCTCAGGGGCTGTGAACCAGGACCACAGC
AAGAACCCCGTGGGCGTGGCCTGCACCATGGCCATGAGATGGGCCACAACCTGGGCATGGACCATGATGAGAAC
GTCCAGGGCTGCCGCTGCCAGGAACGCTTCGAGGCGGGCCGCTGCATCATGGCAGGCAGCATTGGCTCCAGTTTC
CCCAGGATGTTTCAGTGAAGTGCAGCCAGGCCTACCTGGAGAGCTTTTTGGAGCGGCCGAGTCGGTGTGCCTCGCC
AACGCCCCTGACCTCAGCCACCTGGTGGGCGGCCCGTGTGTGGGAACCTGTTTGTGGAGCGTGGGGAGCAGTGC
GACTGCGGCCCCCGGAGGACTGCCGGAACCGCTGCTGCAACTCTACCACCTGCCAGCTGGCTGAGGGGGCCAG
TGTGCGCACGGTACCTGCTGCCAGGAGTGCAAGGTGAAGCCGGCTGGTGAAGTGTGCCGTCCCAAGAAGGACATG
TGTGACCTCGAGGAGTTCTGTGACGGCCGGCACCCCTGAGTGCCCGGAAGACGCCTTCCAGGAGAACGGCACGCCC
TGCTCCGGGGGCTACTGCTACAACGGGGCCTGTCCACACTGGCCCAGCAGTGCCAGGCCTTCTGGGGGCCAGGT
GGGCAGGCTGCCGAGGAGTCTGCTTCTCCTATGACATCCTACCAGGCTGCAAGGCCAGCCGGTACAGGGCTGAC
ATGTGTGGCGTTCTGCAGTGCAAGGGTGGGCAGCAGCCCCCTGGGGCGTGCCATCTGCATCGTGGATGTGTGCCAC
GCGCTCACACAGAGGATGGCACTGCGTATGAACCAGTGCCCGAGGGCACCCGGTGTGGACCAGAGAAGGTTTGC
TGGAAGGACGTTGCCAGGACTTACACGTTTACAGATCCAGCAACTGCTCTGCCAGTGCCACAACCATGGGGTG
TGCAACCACAAGCAGGAGTGCCACTGCCACGCGGGCTGGGGCCCCGCCCACTGCGCGAAGCTGCTGACTGAGGTG
CACGCAGCGTCCGGGAGCCTCCCCGTCTCGTGGTGGTGGTTCTGGTGCTCCTGGCAGTTGTGCTGGTCAACCTG
GCAGGCATCATCGTCTACCGCAAAGCCCGGAGCCGCATCCTGAGCAGGAACGTGGCTCCCAAGACCACAATGGGG
CGCTCCAACCCCTGTTCCACAGGCTGCCAGCCGCGTGCCGGCCAAGGGCGGGGCTCCAGCCCCATCCAGGGGC
CCCCAAGAGCTGGTCCCCACCACCCACCCGGGCCAGCCCGCCCGACACCCGGCCTCCTCGGTGGCTCTGAAGAGG
CCGCCCCCTGCTCCTCCGGTCACTGTGTCCAGCCCACCTTCCAGTTCTGTCTACACCCGGCAGGCACCAAAG
CAGGTCACTAAGCCAACGTTTCGACCCCCAGTGCCCCAGTCAAACCCGGGGCTGGTGCGGCCAACCTGGTCCA
GCTGAGGGTGCTGTTGGCCCAAAGGTTGCCCTGAAGCCCCCATCCAGAGGAAGCAAGGAGCCGGAGCTCCACA
GCACCC**TAG**GGGGGCACCTGCGCCTGTGTGGAAATTTGGAGAAGTTGCGGCAGAGAAGCCATGCGTTCCAGCCTT
CCACGGTCCAGCTAGTGCCGCTCAGCCCTAGACCCTGACTTTGCAGGCTCAGCTGCTGTTCTAACCTCAGTAATG
CATCTACCTGAGAGGCTCCTGCTGTCCACGCCCTCAGCCAATTCCTTCTCCCCGCTTGGCCACGTGTAGCCCCA
GCTGTCTGCAGGCACCAGGCTGGGATGAGCTGTGTGCTTGCGGGTGCGTGTGTGTGTACGTGTCTCCAGGTGGCC
GCTGGTCTCCCGCTGTGTTTCAGGAGGCCACATATACAGCCCCCTCCAGCCACACCTGCCCTGCTCTGGGGCCTG
CTGAGCCGGCTGCCCTGGGCACCCGTTCCAGGCAGCACAGACGTGGGGCATCCCCAGAAAGACTCCATCCCAGG
ACCAGGTTCCCCCTCGTGCTCTTCGAGAGGGTGTGAGTGAGCAGACTGCACCCCAAGCTCCCGACTCCAGGTCCC
CTGATCTTGGGCGTGTTCCTCATGGGATTCAAGAGGGACAGCCCCAGCTTTGTGTGTGTTTAAGCTTAGGAATGC
CCTTTATGGAAAGGGCTATGTGGGAGAGTCAGCTATCTTGTCTGGTTTTCTTGAGACCTCAGATGTGTGTTTCAGC
AGGGCTGAAAGCTTTTATTCTTTAATAATGAGAAATGTATATTTTACTAATAAATTATTGACCGAGTTCTGTAGA
TTCTTGTTAGA

1139/2825

FIGURE 1007

MRGLGLWLLGAMMLPAIAPSRPWALMEQYEVVLPRLPGPRVRRALPSHLGLHPERVSYVLGATGHNFTLHLRKN
RDLLGSGYTETYTAANGSEVTEQPRGQDHCLYQGHVEGYPDASAASLSTCAGLRGFFQVGSDLHLIEPLDEGGEGG
RHAVYQAEHLLQTAGTCGVSDDSLGSLLGPRTAAVFRPRPGDSLPSRETRYVELYVVVDNAEFQMLGSEAAVRHR
VLEVNVHVDKLYQKLNFRVVLVGLLEIWNQSQDRFHVSPDPSVTLENLLTWQARQRTRRHLHDNVQLITGVDFGTGT
VGFARVSAMCSHSSGAVNQDHSKNPVGVACTMAHEMGNLGMHDENVQGCRCQERFEAGRCIMAGSIGSSFPRM
FSDCSQAYLESFLERPQSVCLANAPDLSHLVGGPVCGNLFVERGEQCDGPPEDCRNRCCNSTTCQLAEGAQCAH
GTCCQECKVKPAGELCRPKKDMCDLEEFCDGRHPECPEDAFQENGTPCSGGYCYNGACPTLAQQCQAFWGPGGQA
AEESCFSYDILPGCKASRYRADMCGVLQCKGGQQPLGRAICIVDVCHALT TEDGTAYEPVPEGTRCGPEKVCWKG
RCQDLHVYRSSNCSAQCHNHGVCNKHQECHCHAGWAPPHCAKLLTEVHAASGSLPVLVVVVLVLLAVVLVTLGI
IVYRKARSRIILSRNVAPKTTMGRSNPLFHQAASRVPAKGGAPAPSRGPQELVPTTHPGQPARHPASSVALKRPPP
APPVTVSSPPFPVPVYTRQAPKQVIKPTFAPPVFPVKPGAGAA NPGPAEGAVGPKVALKPP IQRKQGAGAPTAP

1140/2825
FIGURE 1008

GAGGAAAATTCTTCCAGCGATGGTCTCCCACTCAGAGCTGAGGAAGCTTTTCTACTCAGCAGATGCTGTGTGTTT
TGATGTTGACAGCACGGTCATCAGAGAAGAAGGAATCGATGAGCTAGCCAAAATCTGTGGCGTTGAGGACGCGGT
GTCAGAAATGACACGGCGAGCCATGGGCGGGGCAGTGCCTTTCAAAGCTGCTCTCACAGAGCGCTTAGCCCTCAT
CCAGCCCTCCAGGGAGCAGGTGCAGAGACTCATAGCAGAGCAACCCCCACACCTGACCCCCGGCATAAGGGAGCT
GGTAAGTCGCCTACAGGAGCGAAATGTTTCAGGTTTTCTTAATATCTGGTGGCTTTAGGAGTATTGTAGAGCATGT
TGCTTCAAAGCTCAATATCCCAGCAACCAATGTATTTGCCAATAGGCTGAAATTCTACTTTAACGGTGAATATGC
AGGTTTTGATGAGACGCAGCCAACAGCTGAATCTGGTGGAAAAGGAAAAGTGATTAACTTTTAAAGGAAAAATT
TCATTTTAAGAAAATAATCATGATTGGAGATGGTGCCACAGATATGGAAGCCTGTCCTCCTGCTGATGCTTTCAT
TGGATTTGGAGGAAATGTGATCAGGCAACAAGTCAAGGATAACGCCAAATGGTATATCACTGATTTTGTAGAGCT
GCTGGGAGAACTGGAAGAATTAACATCCATTGTCGTACAGCTCCAAACAACCTTCAGATGAATTTTACAAGTTATA
CAGATTGATACTGTTTGCTTACAGTTGCCTATTACAACCTTGCTATAGAAAGTTGGTACAAATGATCTGTACTTTA
AACTACAGTTAGGAATCCTAGAAGATTGCTTTTTTTTTTTTTTTTAACTGTAGTTCCAGTATTATATGATGACTAT
TGATTTCTTGGAGAGGTTTTTTTTTTTTTTTGGAGACAGAACTTGCTCTGTTGCCCAGGCTGGAGTGCAGTGGCGC
GGTCTCGGCTCACTGCAAGCTCTGCCTCCCAGGTTACGCCATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGAC
TACAGGCACCCGCCACCACATCCGGCTAATTTTTTGTATTTTTTAGTAGAGACGGGGTTTGACCGTGTTAGCCAGG
ATGGTCTTGATCTCCTGACCTTGTGATCCGCCTGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGCTTGGGCCAC
CGCGCCAGCCAATGTCCTAGAGAGTTTTGTGATCTGAATTCTTTATGTATATTTGTAGCTATATTTCATACAAA
GTGCTTTAAGTGTGGAGAGTCAATTAAACACCTTTACTCTTAGAAATACGGATTCGGCAGCCTTCAGTGAATATT
GGTTTCTCTTTGGTATGTCAATAAAAGTTTATCCGTATGTCAGAACGGATTTGTGGAIAAAAAAAAAAAAAAAAAA
AAAAAA

1141/2825
FIGURE 1009

MISHSELRKLFYSADAVCFDVDSTVIREEGIDELAKICGVEDAVSEMTRRAMGGAVPFKAALTERLALIQPSREQ
VQRLIAEQPPHLTPGIRELVSRLQERNVQVFLISGGFRSIVEHVASKLNIPATNVFANRLKFYFNGEYAGFDETQ
PTAESGGKGKVIKLLKEKFHFKKIIMIGDGATDMEACPPADAFIGFGGNVIRQQVKDNAKWYITDFVELLGELEE

1142/2825
FIGURE 1010

CTCCGCTGCTGTCGCCAGGAGTCACTTCACGAGAAGCCAGGTCACAACCGTCGGCCCTTGTCTGGAAAAGTAAAA
GTGGATCCTGCCACGTTTCGGAGCTCCCTGGCGCCTCGCCCCGGCTGGAGCTAGAGAACTCGTCCTGTGGCGGCCCC
CGGCGTGGGGCGGGACAGCGGCCCCCTGGAGGGGGCAGTCCCGGGGAGAACCTGCGGCGGCGCGGAGCGGTAAAAAT
AAGTGACTAAAGAAGCAGACCTGGGAATCACCTAACATGTCGAGGAGGAGATTTGATTGCCGAAGTATTTTCAGGC
CTACTAACTACAACCTCTCAAATTCCAATAAAAATGGAAAACTTTAATAATTTCTATATACTTACATCTAAAGAG
CTAGGGAGAGGAAAATTTGCTGTGGTTAGACAATGTATATCAAAATCTACTGGCCAAGAATATGCTGCAAAATTT
CTAAAAAGAGAAGAAGAGGACAGGATTGTCTGGGCAGAAATTTTACACGAGATTGCTGTGCTTGAATTGGCAAAG
TCTTGTCCCCGTGTTATTAATCTTCATGAGGTCTATGAAAAATACAAGTGAAATCATTTTGATATTGGAATATGCT
GCAGGTGGAGAAAATTTTCAGCCTGTGTTTACCTGAGTTGGCTGAAATGGTTTCTGAAAATGATGTTATCAGACTC
ATTAAACAAATACTTGAAGGAGTTTATTATCTACATCAGAATAACATTGTACACCTTGATTTAAAGCCACAGAAT
ATATTACTGAGCAGCATATACCCTCTCGGGGACATTAAAAATAGTAGATTTTGGAATGTCTCGAAAAATAGGGCAT
GCGTGTGAACTTCGGGAAATCATGGGAACACCAGAATATTTAGCTCCAGAAATCCTGAACTATGATCCCATACC
ACAGCAACAGATATGTGGAATATTGGTATAATAGCATATATGTTGTTAACTCACACATCACCATTTGTGGGAGAA
GATAATCAAGAAACATACCTCAATATTTCTCAAGTTAATGTAGATTATTCGGAAGAACTTTTTTCATCAGTTTCA
CAGCTGGCCACAGACTTTATTTCAGAGCCTTTTAGTAAAAAATCCAGAGAAAAGACCAACAGCAGAGATATGCCTT
TCTCATTCTTGCTACAGCAGTGGGACTTTGAAAACCTTGTTTCACCCTGAAGAACTTCCAGTTCCTCTCAAAC
CAGGATCATTCTGTAAGGTCTCTGAAGACAAGACTTCTAAATCCTCCTGTAATGGAACCTGTGGTGATAGAGAA
GACAAAGAGAAATATCCCAGAGGATAGCAGCATGGTTTCCAAAAGATTTTCGTTTCGATGACTCATTACCCAATCCC
CATGAACTTGTTTCAGATTTGCTCTGTTAGCACTTTTTTCTTTGACTCATTGGAAGTGAATTTGAAATTTTATAT
CCACTCCAGTGAGATTATGATTTGTAGCTTCATATATGACATGTTTATATTGTAATGCACTTTTCCATGGAATA
ATTTAGGGAAGTGTTTTAATGTTAAATTACTAGTTGCTAGCATGTTATGATTTCATATCCTGAGATAGCTCTGCA
GATAAGAAAAATATTTAAATATATGACAAAAAGTAAAATTGTACATGTGAAAG

1143/2825
FIGURE 1011

MSRRRFDCRSISGLLTTTPQIPKMFNNFYILTSKELGRGKFAVVRQCISKSTGQEYAAKFLKKRRRGQDCRA
EILHEIAVLELAKSCPRVINLHEVYENTSEIILILEYAAGGEIFSLCLPELAEMVSENDVIRLIKQILEGVYYLH
QNNIVHLDLKPQNILLSSIYPLGDIKIVDFGMSRKIGHACELREIMGTPEYLAPEILNYDPITTATDMWNIGIIA
YMLLTHTSPFVGEDNQETYNISQVNVYSEETFSSVSQLATDFIQSLLVKNPEKRPTAEICLSHSHWLQQWDFEN
LFHPEETSSSSQTQDHSVRSSDKTSKSSCNGTCGDREDKENIPEDSSMVSKRFRFDDSLPNPHELVSDLLC

1144/2825
FIGURE 1012

CGCCACTTTGCTGGAGCATTCACTAGGCGAGGCGCTCCATCGGACTCACTAGCCGCACTCATGAATCGGCACCAT
CTGCAGGATCACTTTCTGGAAATAGACAAGAAGAACTGCTGTGTGTTCCGAGATGACTTCATTGCCAAGGTGTTG
CCGCCGGTGTGGGGCTGGAGTTTATCTTTGGGCTTCTGGGCAATGGCCTTGCCCTGTGGATTTTCTGTTTCCAC
CTCAAGTCCTGGAAATCCAGCCGGATTTTCTGTTCACCTGGCAGTAGCTGACTTTCTACTGATCATCTGCCTG
CCGTTTCGTGATGGACTACTATGTGCGGCGTTCAGACTGGAACCTTTGGGGACATCCCTTGCCGGCTGGTGTCTTTC
ATGTTTGCCATGAACCGCCAGGGCAGCATCATCTTCCTCACGGTGGTGGCGGTAGACAGGTATTTCCGGGTGGTC
CATCCCCACCACGCCCTGAACAAGATCTCCAATTGGACAGCAGCCATCATCTCTTGCCCTTCTGTGGGGCATCACT
GTGGCCTAACAGTCCACCTCCTGAAGAAGAAGTTGCTGATCCAGAATGGCCCTGCAAATGTGTGCATCAGCTTC
AGCATCTGCCATACCTTCCGGTGGCAGCAAGCTATGTTCCCTCCTGGAGTTCCCTCCTGCCCCCTGGGCATCATCTG
TTCTGCTCAGCCAGAATTATCTGGAGCCTGCGGCAGAGACAAATGGACCGGCATGCCAAGATCAAGAGAGCCATC
ACCTTCATCATGGTGGTGGCCATCGTCTTTGTCACTGTCTTCCTTCCCAGCGTGGTTGTGCGGATCCGCATCTTC
TGGCTCCTGCACACTTCGGGCACGCAGAATTGTGAAGTGTACCGCTCGGTGGACCTGGCGTTCTTTATCACTCTC
AGCTTCACCTACATGAACAGCATGCTGGACCCCGTGGTGTACTACTTCTCCAGCCCATCCTTTCCCAACTTCTTC
TCCACTTTGATCAACCGCTGCCTCCAGAGGAAGATGACAGGTGAGCCAGATAATAACCGCAGCACGAGCGTCGAG
CTCACAGGGGACCCCAACAAAACCAGAGGCGCTCCAGAGGCGTTAATGGCCAACTCCGGTGAGCCATGGAGCCCC
TCTTATCTGGGCCCCAACCTCAAATAACCATTTCCAAGAAGGGACATTGTCACCAAGAACCAGCATCTCTGGAGAAA
CAGTTGGGCTGTTGCATCGAGTAAATGTCACTGGACTCGGCCTAAGGTTTCTGGAACCTCCAGATTCAGAGAATC
TGATTTAGGGAACTGTGGCAGATGAGTGGGAGACTGGTTGCAAGGTGTGACCACAGGAATCCTGGAGGAACAGA
GAGTAAAGCTTCTAGGCATCTGAAACTTGCTTCATCTCTGACGCTCGCAGGACTGAAGATGGGCAAATTGTAGGC
GTTTCTGCTGAGCAGAGTTGGAGCCAGAGATCTACTTGTGACTTGTGGCCTTCTTCCCACATCTGCCTCAGACT,
GGGGGGGGCTCAGCTCCTCGGGTGATATCTAGCCTGCTTGTGAGCTCTAGCAGGGATAAGGAGAGCTGAGATTGG
AGGGAATTGTGTTGCTCCTGGAGGAAGCCCAGGCATCATTAACAAGCCAGTAGGTACCTGGCTTCCGTGGACC
AATTCATCTTTAGACAAGCTTTAGAGAAATGGACTCAGGGAAGAGACTCACATGCTTTGGTTAGTATCTGTGTT
TCCGGTGGGTGTAATAGGGGATTAGCCCCAGAAAGGGACTGAGCTAAACAGTGTTATTATGGGAAAGGAAATGGCA
TTGCTGCTTTCAACCAGCGACTAATGCAATCCATTCTCTTGTGTTTATAGTAATCTAAGGGTTGAGCAGTTAAA
AGGGCTTCAGGATAGAAAGCTGTTTCCCACCTGTTTCGTTTTTACCATTAAAGGGAAACGTGCCTCTGCCCCACG
GGTAGAGGGGTGCACGTTCTCCTGGTTCCTTCGCTTGTGTTTCTGTACTTACCAAAAATCTACCACTTCAATA
AATTTTGATAGGAGACAAAAA

1145/2825
FIGURE 1013

MNRHHLQDHFLEIDKKNCVFRDDFIAKVLPPVLGLEFIFGLLGNGLALWIFCFHLKSWKSSRIFLFNLAVADFL
LIICLPFVMDYYVRRSDWNFGDIPCRVLVLFMFAMNRQGSIIFLTVAVDTRYFRVVHPHALNKISNWTAAIISCL
LWGITVGLTVHLLKKKLLIQNGPANVCISFSICHTFRWHEAMFLLLEFLLPLGIILFCSARIIWSLRQRQMDRHAK
IKRAITFIMVVAIVFVICFLPSVVVRIRIFWLLHTSGTQNCVYRSVDLAFFITLSFTYMNSMLDPVVYYFSSPS
FENFFSTLINRCLQRKMTGEPDNNRSTSVELTGDPNKTRGAPEALMANSGEPPWSPSYLGPTSNNHSSKKGHCHEP
ASLEKQLGCCIE

1146/2825
FIGURE 1014

CAGGGAGTTGAGAACTGTGGCACAAGGCGAGAGCTGGTTTCCTCTGCCCTGTTAGAGCTGGGGGACTCTTCAGA
GTCAAAGGCCAGAGAGC**ATGG**AGCTGAGTGGAGCCACCATGGCCCGGGGGCTCGCTGTCCTGCTAGTCTTGTTCC
TGCATATCAAGAACCTGCCTGCCCAGGCTGCGGACACATGTCCAGAGGTGAAGGTGGTGGGCCTGGAGGGCTCTG
ACAAGCTCACCATTCTCCGAGGCTGCCCAGGGCTGCCCGGGGCCCCAGGGCCAAAGGGAGAGGCAGGTGTCATTG
GAGAGAGAGGAGAAACGCGGTCTCCCTGGAGCCCCCTGGAAAGGCAGGACCAGTGGGGCCCCAAAGGAGACCGAGGAG
AGAAGGGGATGCGTGGAGAGAAAGGAGACGCTGGGCAGTCTCAGTCGTGTGCGACAGGCCCCACGCAACTGCAAGG
ACCTGCTAGACCGGGGGTATTTCTGAGCGGCTGGCACACCATCTACCTGCCCGACTGCCGGCCCCCTGACTGTGC
TCTGTGACATGGACACGGACGGAGGGGGCTGGACCGTTTTCCAGCGGAGGATGGATGGCTCTGTGGACTTCTATC
GGGACTGGGCCGCATACAAGCAGGGCTTCGGCAGTCAGCTGGGGGAGTTCTGGCTGGGGAACGACAACATCCACG
CCCTGACTGCCCAGGGAAGCAGCGAGCTCCGTGTAGACCTGGTGGACTTTGAGGGCAACCACCAGTTTGCTAAGT
ACAAATCATTCAAGGTGGCTGACGAGGCAGAGAAGTACAAGCTGGTACTGGGAGCCTTTGTCGGGGGCAGTGGG
GTAATTCTCTAACGGGCCACAACAACAACCTTCTTCTCCACCAAAGACCAAGACAATGATGTGAGTTCTTCGAATT
GTGCTGAGAAGTTCCAGGGAGCCTGGTGGTACGCCGACTGTCATGCTTCAAACCTCAATGGTCTCTACCTCATGG
GACCCCATGAGAGCTATGCCAATGGTATCAACTGGAGTGCGGCCGAAGGGGTACAAATATAGCTACAAGGTGTCAG
AGATGAAGGTGCGGCCCGCC**TAG**ACGGGCCAGGACCCCTCCACATGCACCTGCTAGTGGGGAGGCCACACCCACA
AGCGCTGCGTCGTGGAAGTCACCCCATTTCCCCAGCCAGACACACTCCCATGACGCCCACAGCTGCCCTTTGCC
CCCAGCTCAGTCAAGCCGCCACATGCCCACAACCTCACCAGAGGGAGAATTATGTTTCTAAATATGTTTACTTTG
GGACAGAAAAAAAAA

1147/2825
FIGURE 1015

MELSGATMARGLAVLLVLFHLHIKNLPAQAADTCPEVKVVGLEGSDKLTILRGCPGLPGAPGPKGEAGVIGERGER
GLPGAPGKAGPVGPKGDRGEKGMERGEKGDAGQSQSCATGPRNCKDLLDRGYFLSGWHTIYLPDCRPLTVLCDMDT
DGGGWTVFQRRMDGSVDFYRDWAAYKQGFSGQLGEFWLGNDNIHALTAQGSSELRVDLVDFEGNHQFAKYKSEFKV
ADEAEKYKLVLGAFVGGSSAGNSLTGHNNNFFSTKDQDNDVSSNCAEKFQGAWWYADCHASNLNGLYLMGPHESEY
ANGINWSAAKGYKYSYKVSEMKVRPA

1148/2825
FIGURE 1016

GCAGAGCCCAGGGAGCTGGAGGTCGGCGCTTCCTCTCGTGCTTGGTCCACTGACGCGCGGCCCCGCCGCGAGGAG
CATCAGATCCATGCTGCTGCTGACTCGGAGCCCCACAGCTTGGCACAGGCTCTCTCAGCTCAAGCCTCCGGTCCT
CCCTGGGACCCCTGGGAGGCCAGGCCCTGCATCTGAGGTCCTGGCTTTTGTCAAGGCAGGGCCCTGCAGAGACAGG
TGGGCAGGGCCAGCCCCAGGGCCCTGGGCTTCGAACCCGGCTGCTGATCACAGGCCTGTTCTGGGGCTGGACTCGG
TGGGGCCTGGCTGGCCCTGAGGGCTGAGAAGGAGAGGCTGCAGCAGCAAAAGCGAACAGAAGCCCTGCGCCAGGC
AGCTGTGGGGCCAGGGCGACTTCCACCTGCTGGATCACAGAGGCCGGGCTCGCTGCAAGGCTGACTTCCGGGGCCA
GTGGGTGCTGATGTACTTTGGCTTCACTCACTGCCCTGACATCTGCCCAGACGAGCTGGAGAAGCTGGTGCAGGT
GGTGCGGCAGCTGGAAGCAGAGCCTGGTTTGCTCCAGTGCAGCCTGTCTTCATCACTGTGGACCCCGAGCGGGA
CGACGTTGAAGCCATGGCCCGCTACGTCCAGGACTTCCACCCAAGACTGTTGGGTCTGACCGGCTCCACCAAACA
GGTTGCCCAGGCTAGTCACAGTTACCGCGTGTACTACAATGCCGGCCCCAAGGATGAGGACCAGGACTACATCGT
GGACCACTCCATTGCCATCTACCTGCTCAACCCTGACGGCCTCTTCACGGATTACTACGGCCGGAGCAGATCGGC
TGAGCAGATCTCAGACAGTGTGCGGCGGCACATGGCGGCTTCCGCAGTGTCTGTCTTGAGCCACTGCAGTCTG
GGCCCCATCATTAACGGGCTGCGTTTAAAA

1149/2825
FIGURE 1017

MLLLTRSP TAWHRLSQLKPPVLP GTLGGQALHLRSWLLSRQGP AETGGQGQPQGPGLRTRLLITGLFGAGLGGAW
LALRAEKERLQQQKRTEALRQA AVGQGDFHLLDHRGRARCKADFRGQWVLMYFGFTHCPD ICPDELEKLVQVVRQ
LEAEPGLPPVQPVFITVDPERDDVEAMARYVQDFHPRLLGLTGSTKQVAQASHSYRVYYNAGPKDEDQDYIVDHS
IAIYLLNPDGLFTDYYGRSRSAEQISDSVRRHMAAFRSVLS

1150/2825
FIGURE 1018

TAACTGAGCGAGGAGCAATTGATTAATAGCTCGGCGAGGGGACTCACTGACTGTTATAATAACACTACACCAGCA
ACTCCTGGCTTCCCAGCAGCCGGAACACAGACAGGAGAGAGTCAGTGGCAAATAGACATTTTTTCTTATTTCTTAA
AAAAACAGCAACTTGTTTGCTACTTTTATTTCTGTTGATTTTTTTTTCTTGGTGTGTGTGGTGGTTGTTTTAAGT
GTGGAGGGGCAAAAGGAGATACCATCCCAGGCTCAGTCCAACCCCTCTCCAAAACGGCTTTTCTGACACTCCAGGT
AGCGAGGGAGTTGGGTCTCCAGGTGTGTGCGAGGAGCAAATGATGACCGCCAAGGCCGTAGACAAAATCCCAGTAA
CTCTCAGTGGTTTTGTGCACCAGCTGTCTGACAACATCTACCCGGTGGAGGACCTCGCCGCCACGTCGGTGACCA
TCTTTCCCAATGCCGAAGTGGGAGGCCCCCTTTGACCAGATGAACGGAGTGGCCGGAGATGGCATGATCAACATTG
ACATGACTGGAGAGAAGAGGTGCTTGGATCTCCCATATCCCAGCAGCTTTGCTCCCGTCTCTGCACCTAGAAACC
AGACCTTCACTTACATGGGCAAGTTCTCCATTGACCCCTCAGTACCCTGGTGCCAGCTGCTACCCAGAAGGCATAA
TCAATATTGTGAGTGCAGGCATCTTGCAAGGGGTCACTTCCCCAGCTTCAACCACAGCCTCATCCAGCGTCACCT
CTGCCTCCCCCAACCCACTGGCCACAGGACCCCTGGGTGTGTGCACCATGTCCCAGACCCAGCCTGACCTGGACC
ACCTGTACTCTCCGCCACCGCCTCCTCCTCCTTATTCTGGCTGTGCAGGAGACCTCTACCAGGACCCCTTCTGCGT
TCCTGTCAGCAGCCACCACCTCCACCTCTTCTCTGCGCTACCCACCACCTCCTTCTATCCATCCCCAAGC
CAGCCACGGACCCAGGTCTCTTCCCAATGATCCCAGACTATCCTGGATTCTTTCCATCTCAGTGCCAGAGAGACC
TACATGGTACAGCTGGCCCAGACCGTAAGCCCTTTCCCTGCCCACTGGACACCCTGCGGGTGCCCCCTCCACTCA
CTCCACTCTCTACAATCCGTAACCTTTACCCTGGGGGGCCCCAGTGCTGGGGTGACCGGACCAGGGGGCCAGTGGAG
GCAGCGAGGGACCCCGGCTGCCTGGTAGCAGCTCAGCAGCAGCAGCAGCCGCCGCCGCCGCCCTATAACCCAC
ACCACCTGCCACTGCGGGCCATTCTGAGGCCTCGCAAGTACCCCAACAGACCCAGCAAGACGCCGGTGCACGAGA
GGCCCTACCCGTGCCCAGCAGAAGGCTGCGACCGGCGGTTCTCCCGCTCTGACGAGCTGACACGGCACATCCGAA
TCCACACTGGGCATAAGCCCTTCCAGTGTGCGATCTGCATGCGCAACTTCAGCCGCAGTGACCACCTCACCACCC
ATATCCGCACCCACACCGGTGAGAAGCCCTTCGCCTGTGACTACTGTGGCCGAAAGTTTGCCCGGAGTGATGAGA
GGAAGCGCCACACCAAGATCCACCTGAGACAGAAAAGAGCGGAAAAGCAGTGCCCCCTCTGCATCGGTGCCAGCCC
CCTCTACAGCCTCCTGCTCTGGGGGCGTGACGCTGGGGGTACCCTGTGCAGCAGTAACAGCAGCAGTCTTGGCG
GAGGGCCGCTCGCCCCCTTGCTCCTCTCGGACCCGGACACCTTGAGATGAGACTCAGGCTGATACACCAGCTCCCA
AAGGTCCCGGAGGCCCTTTGTCCACTGGAGCTGCACAACAAACACTACCACCCCTTTCTGTCCCTCTCTCCCTTT
GTTGGGCAAAGGGCTTTGGTGGAGCTAGCACTGCCCCCTTTCCACCTAGAAGCAGGTTCTTCCCTAAACTTAGCC
CATTCTAGTCTCTCTTAGGTGAGTTGACTATCAACCCAAGGCAAAGGGGAGGCTCAGAAGGAGGTGGTGTGGGGA
TCCCCCTGGCCAAGAGGGCTGAGGTCTGACCCTGCTTTAAAGGGTTGTTTGACTAGGTTTTGCTACCCCACTTCCC
CTTATTTTGACCCATCACAGGTTTTTGACCCTGGATGTCAGAGTTGATCTAAGACGTTTTCTACAATAGGTTGGG
AGATGCTGATCCCTTCAAGTGGGGACAGCAAAAAGACAAGCAAACTGATGTGCACTTTATGGCTTGGGACTGAT
TTGGGGGACATTGTACAGTGAGTGAAGTATAGCCTTTATGCCACACTCTGTGGCCCTAAAATGGTGAATCAGAGC
ATATCTAGTTGTCTCAACCCCTGAAGCAATATGTATTATATACTCAGAGAACAGAAGTGCAATGTGATGGGAGGA
ACGTAGCAATATCTGCTCCTTTTCGAGTTGTTTGAGAAATGTAGGCTATTTTTTTCAGTGTATATCCACTCAGATT
TTGTGTATTTTTGATGTACCCACACTGTTCTCTAAATCTGAATCTTTGGGAAAAAATGTAAAGCATTATGATC
TCAGAGGTTAACTTATTTAAGGGGGATGTACATATTCTCTGAAACTAGGATGCATGCAATTGTGTTGGAAGTGTC
CTTGGTCGCCCTTGTTGTGATGTAGACAAATGTTACAAGGCTGCATGTAAATGGGTTGCCTTATTATGGAGAAAAAA
ATCACTCCCTGAGTTTGTATGGCTGTATATTTATGCCTATTAATATTTGGAATTTTTTTTAGAAAGTATATTTT
TGTATGCTTTGTTTTGTGACTTAAAAGTGTTACCTTTGTAGTCAAATTTAGATAAGAATGTACATAATGTTACC
GGAGCTGATTTGTTTGGTCATTAGCTCTTAATAGTTGTGAAAAAATAAATCTATTCTAACGCAAAAACCACTAACT
GAAGTTCAGATATAATGGATGGTTTGTGACTATAGTGTAATAAATACTTTTCAACAAT

1151/2825
FIGURE 1019

MMTAKAVDKIPVTLSGFVHQLSDNIYPVEDLAATSVTIFPNAELGGPFDQMNGVAGDGMINIDMTGEKRSLDLPY
PSSFAPVSAPRNQTFITYMGKFSIDPQYPGASCYPEGIINIVSAGILQGVTSASTTASSSVTSASPNPLATGPLG
VCTMSQTQPDLDHLYSPPPPPPPYSGCAGDLYQDPSAFLSAATTSTSSSLAYPPPPSYPSPKPATDPGLFPMIPD
YPGFFPSQCQRDLHGTA GPD RKPFPCPLD TLRVPPPLTPLSTIRNFTLGGPSAGVTGPGASGGSEGPRLPGSSSA
AAAAAAAAAYNPHHLPLRPILRPRKYPNRP SKTPVHERPYPCPAEGCDRRFSRDELTRHIRIHTGHKPFQCRIC
MRNFSRSDHLTTHIRHTGKPFACDYCGRKFARSDERKRHTKIHLRQKERKSSAPSASVPAPSTASCSSGGVQPG
GTLCSNSSLGGGLAPCSSRTRTP

1152/2825
FIGURE 1020

CTACTCGCCGAGTTCCCTGTACGTGCTGTGTCCGATGACCTGCAGCGTGGAAGACAAGAGGTTTGAGCATGGCAG
AAGGAAACACCCTGATATCAGTGGATTATGAAATTTTGGGAAGGTGCAAGGGGTGTTTTTCCGTAAGCATACTC
AGGCTGAGGGTAAAAAGCTGGGATTGGTAGGCTGGGTCCAGAACACTGACCGGGGCACAGTGCAAGGACAATTGC
AAGGTCCCATCTCCAAGGTGCGTCATATGCAGGAATGGCTTGAAACAAGAGGAAGTCCTAAATCACACATCGACA
AAGCAAACCTCAACAATGAAAAAGTCATCTTGAAGTTGGATTACTCAGACTTCCAAATTGTAAAATAATGGCCTG
AATTTAAGTTTTCTAAGATAAACTCAGTGGTTTGGTTTTTATTATTATAATAGAGATAGAACTATTGTGTGTTAATA
TTAGCATTAGTCAATAAGTTATTTTAATGTCAGATTTTGAATGTTATTATATATTACCTGTATGATGGAAGGAT
TACCACTGTACACAAATCTAATCAATAAAAACGTTAGAACCTTCTGCTTAGAGTACTT

1153/2825
FIGURE 1021

MAEGNTLISVDYEIFGKVQGVFFRKHTQAEGKKLGLVGWVQNTDRGTVQGQLQGPISKVRHMQEWLETRGSPKSH
IDKANFNNEKVILKLDYSDFQIVK

[illegible]

1155/2825
FIGURE 1023

MALRNVPRSEVLGWDPDSLADYFKKLNYKDCEKAVKKYHIDGARFLNLTENDIQKFPKLRVPILSKLSQEINKN
EERRSIFTRKPQVPRFPEETESHEEDNGGWSSFEEDDYESPNDQDGEDDGDYESPNEEEEAPVEDDADYEPPPS
NDEEALQNSILPAKPPNSNSMYIDRPPSGKTPQQPFVPPQRPMAALPPPAGRNHSPPLPPPQTNHEEPSRSRNH
KTAKLPAPSIDRSTKPPLDRSLAPFDREPFTLGKKPPFSDKPSIPAGRSLGEHLPKIQKPPLPPTTERHERSSPL
PGKKPPVPKHGWPDRRENDEDDVHQRLPQPALLPMSSNTFPSRSTKPSPMNPLPSSHMPGAFSESNSSTFPQSA
SLPPYFSQGPSNRPPIRAEGRNFLPLPNKPRPPSPAEENSLEEWYVSYITRPEAEAALRKINQDGTFLVRDS
SKKTTNPNPYVLMVLYKDKVYNIQIRYQKESQVYLLGTGLRGKEDFLSVSDIIDYFRKMPLLLIDGKNRGSRYQCT
LTHAAGYP

1156/2825

FIGURE 1024

GAAGAGACCATATTTGTTTCGCAGAGGAAGCCGTTGCTTTCTGGGATCTGGCTACGGCAGAAAAGACATCGGCTCC
AACAGGGGTGTTCCACAGGGTAGCTGGGAGTTGGAAGAGCCAAGAACGCCTCCGAGCTCTGGATTTGAGCTTCTC
TGCCCATGGGTGAAGCGCCCATGCTCAGCTTGTGAGCTTCTTCCCGGAGAGCAGCCATGGCACTGAGGAATGTG
CCCTTTCGCTCAGAGGTCCTGGGCTGGGACCCCCGACAGCCTTGCTGACTATTTCAAGAAGCTCAACTATAAGGAC
TGTGAGAAGGCAGTGAAGAAGTACCACATCGATGGGGCTCGCTTCTTGAACCTGACAGAAAATGACATCCAGAAG
TTCCCAAGCTCCGGGTGCCGATTCTCAGTAAGTTAAGTCAGGAAATCAACAAGAACGAAGAGAGGAGGAGCATC
TTCACACGCAAACCCCAAGTCCC CGGTTTCTGAAGAGACAGAAAGCCACGAAGAGGACAATGGGGGTGGTCTG
TCCTTTGAAGAAGACGATTATGAAAGTCCCAATGATGACCAGGATGGGGAGGATGATGGAGACTATGAGTCCCCC
AATGAGGAGGAAGAGGCACCCGTGGAAGATGACGCGGATTATGAGCCGCCACCCTCCAATGACGAGGAAGCTCTG
CAGAACTCCATCCTGCCTGCCAAGCCTTTCCCAACTCCAACCTCATGTACATCGACCGGCCCCCTCTGGGAAA
ACCCCCCAGCAGCCTCCTGTGCCCCCCCCAGAGACCGATGGCCGCCCTCCCGCCCCACCAGCCGGCCGGAATCAC
TCGCCACTGCCCCACCCAGACCAACCACGAAGAACCCAGCAGAAGCAGAAACCACAAAACGGCAAAGCTCCCT
GCTCCTTCAATAGACAGAAGCACGAAACCTCCCCTAGATCGTTCATTAGCTCCGTTTGATAGAGAACCCTTCACA
CTAGGAAAGAAACCACCATTTTCTGACAAGCCCTCGATTCCAGCGGGAAGGTCACTCGGGGAGCATTTACCCAAG
ATTCAAAAGCCTCCTTTACCACCGACCACGGAAGACATGAAAGGAGCAGCCCCCTGCCAGGGAAGAAGCCACCT
GTGCCAAAGCATGGATGGGGACCAGACAGAAGAGAGAATGATGAAGATGATGTGCATCAGAGACCTTTGCCCCAG
CCAGCACTACTTCCTATGAGCTCCAACACTTTCCCTTCAAGATCTACTAAGCCAAGTCCCATGAACCTCTCCCA
TCCTCTCACATGCCTGGAGCATTCTCAGAAAGTAACAGCAGTTTTCCACAGAGTGCCTCCCTGCCACCATACTTC
TCTCAAGGCCCTAGCAACAGACCACCTATCAGAGCCGAAGGCAGAACTTCCCCTTGCCACTTCCAAACAAACCT
CGGCCCCCATCCCCCGCGGAGGAAGAGAATTCATTAAATGAAGAGTGGTACGTTTCTTATATTACCCGACCAGAG
GCAGAAGCTGCTCTTAGAAAGATAAACCAGGATGGCACATTTCTGGTCAGAGACAGCTCTAAAAAACAACAACC
AATCCATATGTCCTCATGGTGTGTGTACAAAGATAAAGTTTACAACATCCAGATCCGTTATCAGAAGGAAAAGTCAA
GTTTACTTGTGGGAACTGGACTCCGAGGGAAAAGAGGACTTTCTGTCTGTGTGATATTATTGACTACTTCAGG
AAAATGCCACTTCTGCTCATTGATGGGAAAAACCGAGGTTCCAGATACCAGTGCACATTAACGCATGCTGCAGGG
TACCCATTAGCAAGTTATAGCCGAGCAAATGAACCGTCCCTCCTGCCTCTGTTGCCAACACGAGATCAATCAGCCTT
GGTCAATGGACAAACACTTAGGACTGAAGTGAACCCCTCCCCATGAACACAAGGGTTTTATCCTTTCTTTAAAA
ACAGTGTGTGAAATGAAGACTGTCAACTATCCCC

1157/2825
FIGURE 1025

MALRNVPFRSEVLGWDPDSLADYFKKLNYKDCEKAVKKYHIDGARFLNLTENDIQKFPKLRVPILSKLSQEINKN
EERRSIFTRKPQVPRFPEETESHEEDNGGWSSFEEDDYESPNDQDGEDDGDYESPNEEEEAPVEDDADYEPPPS
NDEEALQNSILPAKPFPNNSMYIDRPPSGKTPQQPPVPPQRPMALPPPPAGRNHSPLPPPQTNHEEPSRSRNH
KTAKLPAPSIDRSTKPPLDRSLAPFDREPFTLGKKPFFSDKPSIPAGRSLGEHLPKIQKPPLPPTTERHERSSPL
PGKKPPVPKHGWGPDREDDVHQRLPQPALLPMSSNTFSPSRSTKPSPMNPLPSSHMPGAFSESNSFFQSA
SLPPYFSQGPNRPPIRAEGRNFLPLPNKPRPPSPAEEENSLNEEWYVSYITRPEAEAALRKINQDGTFLVRDS
SKKTTTNPYVLMVLYKDKVYNIQIRYQKESQVYLLGTGLRGKEDFLSVSDIIDYFRKMPLLLIDGKNRGSRYQCT
LTHAAGYP

1158/2825
FIGURE 1026A

GGCACGAGCAGAAGCAACAATAATTGTGAAAAATACTTCAGCAGTTATGGACTCATCTGTCATTCAAAGGAAAA
AGTAGCTGTCATTGGTGGTGGCTTGGTTGGCTCATTACAAGCATGCTTTCTTGCAAAGAGGAATTTCCAGATTGA
TGTATATGAAGCTAGGGAAGATACTCGAGTGGCTACCTTCACACGTGGAAGAAGCATTAACTTAGCCCTTTCTCA
TAGAGGACGACAAGCCTTGAAAGCTGTTGGCCTGGAAGATCAGATTGTATCCCAAGGTATTCCCATGAGAGCAAG
AATGATCCACTCTCTTTTCAGGAAAAAGTCTGCAATTCCCTATGGGACAAAGTCTCAGTATATTCTTTCTGTAAG
CAGAGAAAAATCTAAACAAGGATCTATTGACTGCTGCTGAGAAATACCCCAATGTGAAAATGCACTTTAACCACAG
GCTGTTGAAATGTAATCCAGAGGAAGGAATGATCAGAGTGGTGGATCTGACAAAGTTCCCAAAGATGTCACCTG
TGACCTCATTTGTAGGATGTGATGGAGCCTATTCAACTGTCAGATCTCACCTGATGAAGAAACCTCGCTTTGATTA
CAGTCAGCAGTACATTCCCTCATGGGTACATGGAGTTGACTATTCCACCTAAGAACGGAGATTATGCCATGGAACC
TAATTATCTGCATATTTGGCCTAGAAATACCTTTATGATGATTGCACTTCCTAACATGAACAAATCATTACATG
TACTTTGTTTCATGCCCTTTGAAGAGTTTGAAAACTTCTAACCCAGTAATGATGTGGTAGATTTCTTCCAGAAATA
CTTTCCGGATGCCATCCCTCTAATTGGAGAGAACTCCTAGTGCAAGATTTCTTCTGTTGCCTGCCAGCCCAT
GATATCTGTAAAGTGCTCTTCATTTCACTTTAAATCTCACTGTGTACTGCTGGGAGATGCAGCTCATGCTATAGT
GCCGTTTTTTGGGCAAGGAATGAATGCGGGCTTTGAAGACTGCTTGGTATTTGATGAGTTAATGGATAAAATTCAG
TAACGACCTTAGTTTTGTGCTTCTCTGTGTTCTCAAGATTGAGAATCCCAGATGATCAGCGATTTTCAGACCTATC
CATGTACAATTACATAGAGATGCGAGCACATGTCAACTCAAGCTGGTTCATTTTTTCAGAAGAACATGGAGAGATT
TCTTCATGCGATTATGCCATCGACCTTTATCCCTCTCTATACAATGGTCACCTTTTTCCAGAATAAGATACCATGA
GGCTGTGCAGCGTTGGCATTGGCAAAAAAAGGTGATAAACAAAGGACTCTTTTTCTTGGGATCACTGATAGCCAT
CAGCAGTACCTACCTACTTATACACTACATGTCACCACGATCTTTCCTCTGCTTGAGAAGACCATGGAACCTGGAT
AGCTCACTTCCGGAATACAACATGTTTTCCCGCAAAGGCCGTGGACTCCCTAGAACAAATTTCCAATCTCATTAG
CAGGTGATAGAAAGGTTTTGTGGTAGCAAATGCATGATTTCTCTGTGACCAAATTAAGCATGAAAAAAATGTTT
CCATTGCCATATTTGATTCACTAGTGAAGATAGTGTTCTGCTTATAATTAACTGAATGTAGAGTATCTCTGTA
TGTTAATTGCAATTACTGGTTGGGGGGTGCATTTTTAAAAGATGAAACATGCAGCTTCCCTACATTACACACACTC
AGGTTGAGTCATTCTAACTATAAAAGTGCAATGACTAAGATCCCTCACTTCTCTGAAAGTAAGGCCCTAGATGCC
TCAGGGAAGACAGTAATCATGCCTTTTTCTTTAAAGACACAATAGGACTCGCAACAGCATTGACTCAACACCTAG
GACTAAAAATCACAACTTAAGTAGCATGTTAACTGCACCTTTTCACTTACGTGAATGGAACCTTACCTAACCACAGGG
CTCAGACTTACTAGATAAAACCAGAAATGGAATAAGGAATTCAGGGGAGTTCCAGAGACTTACAAAATGAACTC
ATTTTATTTTCCACCTTCAAATATAAGTATTATCATCTATCTGTTTATCGTCTATCTATCTATCTATCTATCTAT
CTATCTATCATCTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCTAT
ATTTAGAGATCAGGTCTCACTCTGTTGACCAGGCTGGAGTGCAGTGGTGAGATCTGGGTTCACTGCAACCTCTGC
CTCCTGGGCTCAAGCAATCCTCCCACTTCAGCCTCCCAAATAGCTGGGGCTACCATGGTATTTTTTCAGTAGAGAC
CGGGTCTTGCCATGCTGCCCAGGCCAGTCTCAAACCTCCTGGCCTCATGTGATCTGCCACCTCAGCCTCCCAAAG
TACAGGGATTAGAGTTGTGAGCCACCGCTGCCAGCCAGAGTTACCTCTAAAGATAAGAAAAAGGCTATTAATA
TCATACTAAGTGAAGGACAGGAAAGGGTTTTATTATATAAATTAAATGTCTACATGTGCCAGAATGGAAAGGAAAC
AAGGGGAGACAACCTTTATAGAAATACAAAGCCATTACTTTATTCAATTTTCAGACCTCAGAAGCAATTTACTAA
TTTATTCTTCGACTACATACTGCAGCAGAACCAGCAATACACTTGATTTTTAAAAGCACATTTAGTGAAATGTTT
TCTTTGGTTTCATCCTTCTTTAACAGGCTGCTGAGTCACTCAGAAATCCTTCAAACATGATTAATTATGAAGATGA
AACACTAGAGTCATATAAGAAATAAAAATTGGGCAATAAAAATAAAATGATTTCAGTGTTCCTTTTCTATATTGTCA
ATGAAAACCTTGAGTTCTAATAATCCATGTTTCAGTTTGTAGGGAAAGAAAAATAATTTTTCTTCTACCCACTT
TAGGTTCTTGGCTGGGGCCCCCTATAACAAAAGACAGATTGACAAGAGAAAAACAAACATAAATTTATTAGCGGG
TATATGTAATATATATGTGGGAAATACAGGGGAATGAGCAAATCTCAAAGAGCTGGCGTCTTAGAACTCCCTGGC
TTATATAGCATCGACAAAAGAACAGTAAATTTTTAGAGAAACAACAAAAACAAAGAAAAAGAGCTTTGAGTCTGTAG
GGGCAGCAATTTGGGGGAAGCAAATATATGGGAGTTTGCCTTGTAGATTCCCTCTGGTGGTGGTCTCCAGGCTGAC
AAGGATTCAAAGTTGTCTCTGAACTCCTCTTTGTCTACTGCACATATAAAACGTCTTTTGTTCACAACAGAG
GATTTCTTTTTTCATTCTAGAATTATCTCCTTGATAACTTGATCAGATATAGGACATGACACTGAATAGAGTCCAA
CAGTACAAAAAAATTCAGTATGTTCTAGCTACTTCACACATGTGTACGCGACAGTTATTTTTACAGTAAGGTAT
TTTCAGAAAAATGCATTACGTGTTTTGGAAAATAGAGTAATTTAAAAAATATATTTGAAATGAAATCTCCAAC
ACATTAGAAGATGATGATGTTAGATGCCCATCGTGTGCCACAAGTGGTTTTTTTCATTATGTAAAGCACCCGTTGA

1159/2825
FIGURE 1026B

ATTAAAAGAATTTGTTTTTGTTC AACCTCTTCCTGAGGCCCAAGAGCATATGGGCAATTCGGATTTCTTGCTGGA
CCACAAGGTTCTGTTGATATTACATAGAAAACGGGTATTCCAGACACTTCTTATGATGAAAGTCCAAAAGTGGCAT
CCAATTTAAGGCCCCATCTTTTCGTTGCCATTCTTCATTCCCTACAAAGGACGAACTTGGATTACATCAACTTTGGA
CCCATTTGTTTTGTGCTGTCGTCAACTGACAGTGATTCCACCCTGGTGATGATAAAAATGATGGAAGAAGAGTT
GAAAGTCACTTTTTTCTTTGGCCTGTCCCCATCTTTCTGTGACATCACAAATGGGTCTGATCTGCATTTCACTTCC
AGCTGCTGGTAGGTCTTTAGCAGGCCTCTGGCACCTCAGCAGTCGGAGGCACAGAAGCTGCAAAAGGGATCTTCG
AAACTGGGCAGAGAAAAATAAAGTGGAATATTAAGTAAAAGTTGGGCACTAATCTGGATTAACATTCGAGGAAA
TCAGTTGAGCTGATTTAAGTTGTTTTTTGTTTGTAGCAGGTGTGGATGTGGGGTTATGTGGTCATGCTCAGATC
TACCTAAATCACCCAGAGCTTTATGTCTTTTATTCATTCTAAATCTTATTAACCGGAATATGTAGGACCATTTT
AATACCTTGTAATCCTCCAAGCTTCAATCTGCACACACTTTCTATGAGGGCAGGTACAACCTATTAAGAGATTTTG
AACATTAAGTTAGTCCACAAATATTCAGTGGGCATCTACTAGGTGACAGCCACTGTGCTATAATTAGAGACTTTT
TACTATAAGCATCAAAAACAGATAAGGCTCTTCCTGGCAGAGTTTACAGCCTGGTGTACTTGCTAATGTCTCTTT
AATTAGGTGAAGAATTTTTTTTTTCTATCGAAATTACTAATCAGTTGGGGAAAAAATACTATAGCAGACAGCAC
TAATGTCATCAACAAACATTGTTCTTCTCCGTGTCCTGGGTACAACATCGAATAATATTTCTTGGCCTCCTTTCC
GCTTCTCCTCTCTGCTGTTCTCTCTACAAGAACCTGGGAGGCCAACGCCTAAAGATCATAATATCACAATGGAA
GGAACCTAGATTCTTAAATGACTGCATAGGACAGATCCCATCTCCTCCACCCAATACATTATTAGACTGAACTGT
GACCTGAAATGAGCAATAAACTCTGTATTAATTCAGTGAATGTTGGGGTTGCTTGTTATAGTAGTCGGTCCATC
ATGACCAGTAAACATAAATCAAAAGTTAATGTAATTGTTATCCATTATTTAGAGCGAAATAAATGTTGAATAT
ATGGACTTTCTCAGATTAGGAAATACCAATTAAAAATATAATAAATAGCT

1160/2825
FIGURE 1027

MDSSVIQRKKVAVIGGGGLVGSLQACFLAKRNFQIDVYEAREDTRVATFTRGRSINLALSHRGRQALKAVGLEDQI
VSQGIPMRARMIHSLSGKKS AIPYGT KSQYILSVSRENLNKDLLTAAEKYPNVKMHFNHRLKCNPEEGMITVLG
SDKVPKDVTCDLIVGCDGAYSTVRSHLMKKPRFDYSQQYIPHGYMELTIPPKNGDYAMEPNYLHIWPRNTFMMIA
LPNMNKSFTCTLFMPFEEFEKLLTSNDVVDFQKYFPDAIPLIGEKL LVQDFLLPAQPMISVKCSSFHFKSHCV
LLGDAAHAIVPFFGQGMNAGFEDCLVFDELMDKFSNDLSLCLPVFSRLRIPDDHAISDLSMYNYIEMRAHVNSSW
FIFQKNMERFLHAIMPSTFIPLYTMVTFSRIRYHEAVQRWWHQKKVINKGLFFLGSLIAISSTYLLIHYMSPRSF
LCLRRPWNWIAHFRNTTCFPAKAVDSLEQISNLISR

1161/2825
FIGURE 1028

GGGGGGTCTGCGTCTTCCCGAGCCAGTGTGCTGAGCTCTCCGCGTCGCCTCTGTGCGCCGCGCCTGGCCTACCGC
GGCACTCCCGGGCTGCACGCTCTGCTTGGCCTCGCCATGCCGGTGGACCTCAGCAAGTGGTCCGGGCCCTTGAGCC
TGCAAGAAAGTGGACGAGCAGCCGAGCAGCCCGCTGCATGTCACCTACGCCGGGGCGGCGGTGGACGAGCTGGGCA
AAGTGTGACGCCCACCCAGGTTAAGAATAGACCCACCAGCATTTTCGTGGGATGGTCTTGATTACAGGGAAGCTCT
ACACCTTGGTCTTGACAGACCCGGATGCTCCAGCAGGAAGGATCCCAAATACAGAGAATGGCATCATTTTCCTGG
TGGTCAACATGAAGGGCAATGACATCAGCAGTGGCACAGTCCTCTCCGATTATGTGGGCTCGGGGCCTCCCAAGG
GCACAGGCCTCCACCGCTATGTCTGGCTGGTTTACGAGCAGGACAGGCCGCTAAAGTGTGACGAGCCCATCCTCA
GCAACCGATCTGGAGACCACCGTGGCAAATTCAGGTGGCGTCCTTCCGTAAAAAGTATGAGCTCAGGGCCCCGG
TGGCTGGCACGTGTTACCAGGCCGAGTGGGATGACTATGTGCCCAAACGTACGAGCAGCTGTCTGGGAAGTAGG
GGGTTAGCTTGGGGACCTGAACTGTCTTGAGGGCCCCAAGCCATGTTCCCCAGTTCAGTGTTCATGTATAATAG
ATTTCTCCTCTTCCTGCCCCCTTGGCATGGGTGAGACCTGACCAGTCAGATGGTAGTTGAGGGTGACTTTTCCT
GCTGCCCTGGCCTTTATAATTTTACTCACTCACTCTGATTTATGTTTTGATCAAATTTGAACTTCATTTTGGGGG
TATTTTGGTACTGTGATGGGGTCATCAAATTATTAATCTGAAAATAGCAACCCAGAATGTAAAAAAGAAAAAACT
GGGGGGAAAAAGACCAGGTCTACAGTGATAGAGCAAAGCATCAAAGAATCTTTAAGGGAGGTTTAAAAA
AAAAAAGATTGGTTGCCTCTGCCTTTGTGATCCTGAGTCCAGAATGGTACACAATGTGATTTTATGGTGAT
GTCACCTACCTAGACAACCAGAGGCTGGCATTGAGGCTAACCTCCAACACAGTGCATCTCAGATGCCTCAGTAGG
CATCAGTATGTCACCTCTGGTCCCTTTAAAGAGCAATCCTGGAAGAAGCAGGAGGGAGGGTGGCTTTGCTGTTGTT
GGGACATGGCAATCTAGACCGGTAGCAGCGCCTCGCTGACAGCTTGGGAGGAAACCTGAGATCTGTGTTTTTAA
ATTGATCGTTCTTCATGGGGGTAAGAAAAGCTGGTCTGGAGTTGCTGAATGTTGCATTAATTGTGCTGTTTGCTT
GTAGTTGAATAAAAACCCG

1162/2825
FIGURE 1029

MPVDLSKWSGPLSLQEVD EQPQHPLHVTYAGAAVDELGKVLTP TQVKNRPTSI SWDGLDSGKLYTLVLTDPDAPS
RKDPKYREWHHFLVVMKGNDISSGTVLSDYVGSGPPKGTGLHRYVWL VYEQDRPLKCDEPILSNRSGDHRGKFK
VASFRKKYELRAPVAGTCYQAEWDDYVPKLYEQLSGK

1163/2825
FIGURE 1030

GCAGTTCTGGTCCTCCTAGGAGCGGCCGCTGCGCGGCGCGGCCCGTGGTCGGGATGCTGGGCGGCAGAGAGGCC
GAGGCGCACGCGCGGCCCTACATGGCGTCGGTGCAGCTGAACGGCGCGCACCTGTGCGCAGGCGTCCTGGTGGCG
GAGCGGTGGGTGCTGAGCGCGGCGCACTGCCTGGAGGACGCGGCCGACGGGAAGGTGCAGGTTCTCCTGGGCGCG
CACTCCCTGTGCGCAGCCGGAGCCCTCCAAGCGCCTGTACGACGTGCTCCGCGCAGTGCCCCACCCGGACAGCCAG
CCCGACACCATCGACCACGACCTCCTGCTGCTACAGCTGTCGGAGAAGGCCACACTGGGCCCTGCTGTGCGCCCC
CTGCCCTGGCAGCGCGTGGACCGCGACGTGGCACCGGGAACCTCTCTGCGACGTGGCCGGCTGGGGCATAGTCAAC
CACGCGGGCCGCCGCCCGGACAGCCTGCAGCACGTGCTCTTGCCAGTGCTGGACCGCGCCACCTGCAACCGGCGC
ACGCACCACGACGGCGCCATCACCGAGCGCTTGATGTGCGCGGAGAGCAATCGCCGGGACAGCTGCAAGGGTGAC
TCCGGGGGCGCGTGGTGTGCGGGGGCGTGCTCGAGGGCGTGGTCACCTCGGGCTCGCGCGTTTGCGGCAACCGC
AAGAAGCCCGGGATCTACACCCGCGTGGCGAGCTATGCGGCCCTGGATCGACAGCGTCCTGGCCTAGGGTGCCGGG
GCCTGAAGGTGAGGGTCACCCAAGCAACAAAGTCCCGAGCAATGAAGTCATCCACTCCTGCATCTGGTTGGTCTT
TATTGAGCACCTACTATATGCAGAAGGGGAGGCCGAGGTGGGAGGATCATTGGATCTCAGGAGTTGGAGATCAGC
ATGGGCCACGTAGCGCGACTCCATCTCTACAAATAAATAAAAATTAGCTGGGCAATTGGCGGGCATGGAGGTGGG
TGCTTGTAGTTCCAGCTACTCAGGAGGCTGAGGTGGGAGGATGACTTGAACGCAGGAGGCTGAGGCTGCAGTGAG
TTGTGATTGCACCACTGCCCT

1164/2825
FIGURE 1031

MLGGREAEAHARPYMASVQLNGAHLCAAGVLVAERWVLSAAHCLEDAADGKVQVLLGAHSLSQPEPSKRLYDVLRA
VPHPDSPDPTIDHDLLLLQLSEKATLGPAVRPLPWQRVDRDVAFGTLCDVAGWGIVNHAGRRPDSLQHVLLPVLD
RATCNRRTHHDGAITERLMCAESNRRDSCKGDSGGPLVCGGVLEGVVTSGSRVCGNRKKPGIYTRVASAAWIDS
VLA

1165/2825
FIGURE 1032

CACAAGGCGGTAGCC**ATG**GCGGAGGCGGCGGCTGCAGCGGGTGGGACTGGCTTGGGCGCGGGCGCGAGCTACGGG
TCTGCAGCGGACCGGGACCGGGACCGGACCGGACCGCGCCGGGCGGAGGCTGCGGGTTCTCTCTGGCCATCTG
CTGGGCCGGCCCCGGGAGGCTCTGAGTACCAATGAGTGCAAAGCGCGGAGAGCCGCGTCGGCGGGCCACGGCAGCG
CCCACGGCCACTCCCGCCGCGCAGGAGTCGGGCACCATCCCAAAGAAGCGGCAAGAAGTTATGAAATGGAATGGA
TGGGGATATAATGATTCTAAATTCATCTTCAATAAGAAGGGCCAAATTGAATTGACTGGGAAAAGGTACCCTCTT
AGTGGCATGGGTTTACCAACATTTAAAGAATGGATCCAAAATACCCTTGGAGTAAATGTGGAGCATAAAACTACC
TCTAAAGCATCCTTAAATCCTAGTGATACACCTCCTTCTGTTGTAAATGAAGATTTTCTTCATGACCTTAAAGAA
ACTAATATTTTCATATTCACAAGAGGCAGATGATCGAGTATTTAGAGCTCATGGTCATTGTCTTCATGAGATATTT
TTGCTCAGGGAAGGAATGTTTGAAGCAATTCCTGATATAGTTTTATGGCCAACATGCCATGATGATGTAGTTAAG
ATTGTGAATCTAGCTTGCAAATATAATCTTTGTATCATACCAATTGGTGGAGGAACAAGTGTTCATATGGCCTG
ATGTGTCCTGCAGATGAGACAAGAACAATTATTTCTTTGGACACTTCACAAATGAATCGAATTCTCTGGGTTGAT
GAGAACAATTTGACAGCTCATGTGGAGGCTGGCATAACAGGACAAGAGTTGGAAAGACAGCTTAAAGAAAAGTGGT
TATTGTACAGGTCATGAACCAGATTCCTTGGAGTTCAGTACTGTAGGAGGATGGGTATCTACTCGCGCATCAGGC
ATGAAGAAGAATATCTATGGCAATATCGAGGACCTGGTGGTTCATATAAAAATGGTAACACCTAGAGGTATAATA
GAAAAAAGCTGTCAAGGACCTCGTATGTCAACAGGCCCTGATATCCATCACTTCATCATGGGATCTGAAGGAAC
CTTGGTGTAAATAACAGAAGCTACAATAAAAAATCAGACCAGTCCCTGAATACCAAAGTATGGCTCAGTAGCTTTC
CCTAATTTTGAACAAGGAGTAGCCTGTTTAAAGAGAAAATTGCAAAACAGAGATGTGCTCCGGCATCTATTTCGCCTC
ATGGACAACAAGCAGTTTCAGTTTGGTCATGCTCTTAAACCTCAGGTTTCCTCTATCTTTACATCATTTTTTGGAC
GGATTAAAAAAGTTTTATATTACAAAGTTTAAAGGATTTGACCCAAATCAGCTAAGTGTAGCCACATTACTGTTT
GAGGGGGATCGTGAGAAGGTTCTTCAACATGAAAAACAAGTGTATGATATTGCTGCAAAATTTGGTGGGTTGGCA
GCTGGAGAAGATAATGGACAGAGAGGTTATTTGCTGACCTATGTTATTGCATACATTTCGAGACTTGGCTTTGGAA
TACTATGTATTAGGAGAATCTTTTGAAGACTTCTGCTCCTTGGGACAGGGTGGTAGATCTCTGTAGAAATGTAAAA
GAAAGAATAACAAGGGAATGCAAAGAGAAGGGTGTTCAGTTTGTCTCCTTTTTCTACATGCAGGGTGACGCAGACT
TACGATGCAGGTGCTTGTATCTACTTCTATTTTGCCTTTAACTACAGGGGAATTAGTGACCCACTGACCGTATTT
GAACAACTGAGGCAGCTGCTAGAGAAGAAATCCTTGCTAATGGAGGGAGCCTGTCACATCACCATGGAGTGGGC
AAGTTACGGAAGCAATGGCTAAAGGAAAGTATCTCTGATGTCGGCTTTGGGATGCTGAAGTCTGTCAAGGAATAT
GTGGACCCCAATAACATCTTTGGAAACAGAAACCTTTT**TAA**ATCCATTAGTACCATTACAAAAAATGTCAATT
TTTTTTTTAAGTTTTCAACTGTGGTTATACTAGTAATCAAATATATCAT

1166/2825
FIGURE 1033

MAEAAAAAGGTGLGAGASYGSAADRRDPDPDRAGRRLRVLSGHLLGRPREALSTNECKARRAASAATAAPTATP
AAQESGTIPKKRQEVMMKWNGWGYNDSKFIFNKKGQIELTGKRYPLSGMGLPTFKEWIQNTLGVNVEHKTTSKASL
NPSDTPPSVVNEDFLHDLKETNISYSQEADDRVFRAHGHCLHEIFLLREGMFERIPDIVLWPTCHDDVVKIVNLA
CKYNLCIIPIGGGTSVSYGLMCPADETRTIISLDTSQMNRLWVDENNLTAHVEAGITGQELERQLKESGYCTGH
EPDSLEFSTVGGWVSTRASGMKKNIYGNIEDLVVHIKMTVPRGIIKSCQGPRMSTGPDIIHFIHGSEGLGVIT
EATIKIREPVPEYQKYGSVAFPNFEQGVACLREIAKQRCAPASIRLMDNKQFQFGHALKPQVSSIFTSFLDGLKKF
YITKFKGFDPNQLSVATLLFEGDREKVLQHEKQVYDIAAKFGGLAAGEDNGQRGYLLTYVIAYIRDLALEYYVLG
ESFETSAPWDRVVDLCRNVKERITRECKEKGVOFAPFSTCRVTQTYDAGACIYFYFAFNRYRGISDPLTVFEQTEA
AAREEILANGGSLSHHHGVGKLRKQWLKESISDVGFGLKSVKEYVDPNNIFGNRNLL

1167/2825
FIGURE 1034

GCCACGTGCTGCTGGGTCTCAGTCCTCCACTTCCCGTGTCTCTGGAAGTTGTCAGGAGCAATGTTGCGCTTGTA
CGTGTGGTAATGGGAGTTTTCTGCCCTTCACCCCTTCAGCCTGCGGCACACACAGGGGCTGCCAGAAGCTGCCGGTT
TCGTGGGAGGCATTACAAGCGGGAGTTCAGGCTGGAAGGGGAGCCTGTAGCCCTGAGGTGCCCCAGGTGCCCTA
CTGGTTGTGGGCCTCTGTCAGCCCCGCATCAACCTGACATGGCATAAAAAATGACTCTGCTAGGACGGTCCCAGG
AGAAGAAGAGACACGGATGTGGGCCCAGGACGGTGCTCTGTGGCTTCTGCCAGCCTTGCCAGGAGGACTCTGGCAC
CTACGTCTGCACTACTAGAAATGCTTCTTACTGTGACAAAATGTCCATTGAGCTCAGAGTTTTTGAATAACAGA
TGCTTTCTGCCGTTTCATCTCATACCCGCAAATTTTAACCTTGTCAACCTCTGGGGTATTAGTATGCCCTGACCT
GAGTGAATTCACCCGTGACAAAACCTGACGTGAAGATTCAATGGTACAAGGATTCTCTTCTTTGGATAAAGACAA
TGAGAAATTTCTAAGTGTGAGGGGGACCACTCACTTACTCGTACACGATGTGGCCCTGGAAGATGCTGGCTATTA
CCGCTGTGTCCTGACATTTGCCCATGAAGGCCAGCAATACAACATCACTAGGAGTATTGAGCTACGCATCAAGAA
AAAAAAGAAGAGACCATTCTGTGATCATTTCCCCCTCAAGACCATATCAGCTTCTCTGGGGTCAAGACTGAC
AATCCCGTGTAAGGTGTTTTCTGGGAACCGGCACACCCTTAACCACCATGCTGTGGTGGACGGCCAATGACACCCA
CATAGAGAGCGCCTACCCGGGAGGCCGCGTGACCGAGGGGCCACGCCAGGAATATTCAGAAAATAATGAGAACTA
CATTGAAGTGCCATTGATTTTTGATCCTGTGACACAAGAGAGGATTTCACATGGATTTTAAATGTGTTGTCCATAA
TACCCTGAGTTTTTCAGACACTACGCACCACAGTCAAGGAAGCCTCCTCCACGTTCTCCTGGGGCATTGTGCTGGC
CCCCTTTTCACTGGCCTTCTTGGTTTTTGGGGGAATATGGATGCACAGACGGTGCAAACACAGAAGTGGAAAAGC
AGATGGTCTGACTGTGCTATGGCCTCATCATCAAGACTTTCAATCCTATCCCAAGTGAATATAATGGAATGAAAT
AATTCAAACAC

1168/2825
FIGURE 1035

MLRLYVLVMGVSAFTLQPAHTGAARSCRFRGRHYKREFRLEGEPPVALRCPQVPYWLWASVSPRINLTWHKNSA
RTVPGEEETRMWAQDGA LWLLPALQEDSGTYVCTTRNASYCDKMSIELRVFENTDAFLPFISYPQIILTLSTSGVL
VCPDLSEFTRDKTDVKIQWYKDSL LLDKDNEKFLSVRGTT HLLVHDVALEDAGYYRCVLTFAHEGQQYNITRSIE
LRIKKKKEETIPV IISPLKTISASLGSRLTIPCKVFLGTGTPLT TMLWWTANDTHIESAYPGGRVTEGPRQEYSE
NNENYIEVPLIFDPVTREDLHMDFKCVVHNTLSFQTLRTTVKEASSTFSWGIVLAPLSLAFVLVGGIWMHRRCKH
RTGKADGLTVLWPHHQDFQSYPK

1169/2825
FIGURE 1036

ATTCAGAGGCTGCTGCCTGCTTAGGAGGTTGTAGAAAAGCTCTGTAGGTTCTCTCTGTGTGTCTTACAGGAGTCTT
CAGGCCAGCTCCCTGTCTGG**ATGG**CTTTTATGAAAAAATATCTCCTCCCCATTCTGGGGCTCTTCATGGCCTACTA
CTACTATTCTGCAAACGAGGAATTCAGACCAGAGATGCTCCAAGGAAAGAAAGTGATTGTACAGGGGGCCAGCAA
AGGGATCGGAAGAGAGATGGCTTATCATCTGGCGAAGATGGGAGCCCATGTGGTGGTGACAGCGAGGTCAAAAGA
AACTCTACAGAAGGTGGTATCCCACTGCCTGGAGCTTGGAGCAGCCTCAGCACACTACATTGCTGGCACCATGGA
AGACATGACCTTCGCAGAGCAATTTGTTGCCCAAGCAGGAAAGCTCATGGGAGGACTAGACATGCTCATTCTCAA
CCACATCACCAACACTTCTTTGAATCTTTTTTCATGATGATATTACCATGTGCGCAAAGCATGGAAGTCAACTT
CCTCAGTTACGTGGTCTGACTGTAGCTGCCTTGCCCATGCTGAAGCAGAGCAATGGAAGCATTGTTGTCGTCTC
CTCTCTGGCTGGGAAAGTGGCTTATCCAATGGTTGCTGCCTATTCTGCAAGCAAGTTTGCTTTGGATGGGTTCTT
CTCCTCCATCAGAAAGGAATATTCAGTGTCCAGGGTCAATGTATCAATCACTCTCTGTGTTCTTGGCCTCATAGA
CACAGAAACAGCCATGAAGGCAGTTTCTGGGATAGTCCATATGCAAGCAGCTCCAAAGGAGGAATGTGCCCTGGA
GATCATCAAAGGGGGAGCTCTGCGCCAAGAAGAAGTGATTATGACAGCTCACTCTGGACCACTCTTCTGATCAG
AAATCCATGCAGGAAGATCCTGGAATTTCTCTACTCAACGAGCTATAATATGGACAGATTCATAAAACAAG**TAGGA**
ACTCCCTGAGGGCTGGGCATGCTGAGGGATTTTGGGACTGTTCTGTCTCATGTTTATCTGAGCTCTTATCTATGA
AGACATCTTCCAGAGTGTCCCCAGAGACATGCAAGTCATGGGTACACCTGACAAATGGAAGGAGTTCCTCTAA
CATTGCAAAATGGAAATGTAATAATAATGAATGTCATGCACCGCTGCAGCCAGCAGTTGTAAAATTGTTAGTAA
ACATAGGTATAATTACCAGATAGTTATATTAAATTTATATCTTATATATAATAATATGTGATGATTAATAACAATA
TTAATTATAATAAAGGTCACATAAACTTTATAAAATTCATAACTGGTAGCTATAACTTGAGCTTATTCAGGATGGT
TCTTTAAACCATAAACTGTACAATG

1170/2825
FIGURE 1037

MAFMKKYLLPILGLFMAYYYYSANEEFRPEMLQGKKVIVTGASKGIGREMAYHLAKMGAVVVTARSKETLQKV
SHCLELGAASAHYIAGTMEDMTFAEQFVAQAGKLMGGLDMLILNHITNTSLNLFHDDIHHVRKSMEVNFLSYVVL
TVAALPMLKQSNQSIIVVSSLAGKVAYPMVAAYSASKFALDGFFSSIRKEYSVSRVNVSITLCVLGLIDTETAMK
AVSGIVHMQAAPKEECALEIIKGGALRQEEVYYDSSLWTTLLIRNPCRKILEFLYSTSYNMDRFINK

1171/2825
FIGURE 1038

AGGCCGCTAGGGTGCGGGGTTGGGGAGGAGGCCGCTAGTCTACGCCTGTGGAGCCGATACTCAGCCCTCTGCGAC
CATGGCTGTGCTGGCGGCACCTTCTGCGCAGCGGCGCCCGCAGCCGCAGCCCCCTGCTCCGGAGGGCTGGTGCAGGA
AATAAGATATGTGGAACGGAGTTATGTATCAAAAACCCACTTTGAAGGAAGTGGTCATAGTAAAGTGCTACAAGAAC
ACCCATTGGATCTTTTTTTAGGCAGCCTTTCCCTTGCTGCCAGCCACTAAGCTTGGTTCCATTGCAATTCAGGGAGC
CATTGAAAAGGCAGGGATTCCAAAAGAAGAAGTGAAAGAAGCATAACATGGGTAATGTTCTACAAGGAGGTGAAGG
ACAAGCTCCTACAAGGCAGGCAGTATTGGGTGCAGGCTTACCTATTTCTACTCCATGTACCACCATAAACAAAGT
TTGTGCTTCAGGAATGAAAGCCATCATGATGGCCTCTCAAAGTCTTATGTGTGGACATCAGGATGTGATGGTGGC
AGGTGGGATGGAGAGCATGTCCAATGTTCCATATGTAATGAACAGAGGATCAACACCATATGGTGGGGTAAAGCT
TGAAGATTTGATTGTAAAGACGGGCTAACTGATGTCTACAATAAAATTCATATGGGCAGCTGTGCTGAGAATAC
AGCAAAGAAGCTGAATATTGCACGAAATGAACAGGACGCTTATGCTATTAATTCTTATACCAGAAGTAAAGCAGC
ATGGGAAGCTGGGAAATTTGGAAATGAAGTTATTCCTGTCACAGTTACAGTAAAAGGTCAACCAGATGTAGTGGT
GAAAGAAGATGAAGAATATAAACGTGTTGATTTTAGCAAAGTTCCAAAGCTGAAGACAGTTTTCCAGAAAAGAAA
TGGCACAGTAACAGCTGCCAATGCCAGTACACTGAATGATGGAGCAGCTGCTCTGGTTCTCATGACGGCAGATGC
AGCGAAGAGGCTCAATGTTACACCACTGGCAAGAATAGTAGCATTGCTGACGCTGCTGTAGAACCTATTGATTT
TCCAATTGCTCCTGTATATGCTGCATCTATGGTTCTTAAAGATGTGGGATTGAAAAAGAAGATATTGCAATGTG
GGAAGTAAATGAAGCCTTTAGTCTGGTTGTACTAGCAAACATTAAAATGTTGGAGATTGATCCCCAAAAAGTGAA
TATCAATGGAGGAGCTGTTTCTCTGGGACATCCAATTGGGATGTCTGGAGCCAGGATTGTTGGTCATTTGACTCA
TGCCTTGAAGCAAGGAGAATACGGTCTTGCCAGTATTTGCAATGGAGGAGGAGGTGCTTCTGCCATGCTAATTCA
GAAGCTGTAGACAACCTCTGCTATTTAAGGAGACAACCCCTATGTGACCAGAAGGCCTGCTGTAAATCAGTGTGACT
ACTGTGGGTGAGCTTATATTCAGATAAGCTGTTTCATTTTTTTATTATTTTCTATGTTAACTTTTAAAAATCAAAA
TGATGAAATCCCAAACA

1172/2825
FIGURE 1039

MAVLAALLRSGARSRSPLLRRLVQEIRYVERSYVSKPTLKEVVIVSATRTPIGSFLGSLSLLPATKLGSIQGA
IEKAGIPKEEVKEAYMGNVLQGGEGQAPTRQAVLGAGLP ISTPCTTINKVCASGMKAIMMASQSLMCGHQDVMVA
GGMESMSNPYPVMNRGSTPYGGVKLEDLIVKDGLTDVYNKIHMGSCAENTAKKLNIARNEQDAYAINSYTRSKAA
WEAGKFGNEVIPVTITVKGQPDVVVKEDEEYKRVDFSKVPKLKTVFQKENGTVTAANASTLNDGAAALVLMTADA
AKRLNVTPLARIIVAFADA AVEPIDFPIAPVYAASMLKDVGLKKEDIAMWEVNEAFSLVVLANIKMLEIDPQKVN
INGGAVSLGHP IMSGARIVGHLTHALKQGEYGLASICNGGGGASAMLIQKL

1173/2825
FIGURE 1040A

CAGCATCAATAAGGCCATTAATACGCAGGAAGTGGCTGTAAAGGAAAAACACGCCAGAACGTGCATACTGGGCAC
CCACCATGAGAAAGGGGCACAGACCTTCTGGTCTGTTGTCAACCGCCTGCCTCTGTCTAGCAACGCAGTGCTCTG
CTGGAAGTTCTGCCATGTGTTCCACAACTCCTCCGAGATGGACACCCGAACGTCTGAAAGACTCTCTGAGATA
CAGAAATGAATTGAGTGACATGAGCAGGATGTGGGGCCACCTGAGCGAGGGGTATGGCCAGCTGTGCAGCATCTA
CCTGAAACTGCTAAGAACCAAGATGGAGTACCACACCAAAAATCCCAGGTTCCCAGGCCAACCTGCAGATGAGTGA
CCGCCAGCTGGACGAGGCTGGAGAAAGTGACGTGAACAACCTTTTTCCAGTTAACAGTGGAGATGTTTGACTACCT
GGAGTGTGAACTCAACCTCTTCCAAACAGTATTCAACTCCCTGGACATGTCCCGCTCTGTGTCCGTGACGGCAGC
AGGGCAGTGCCGCCTCGCCCCGCTGATCCAGGTCATCTTGACTGCAGCCACCTTTATGACTACACTGTCAAGCT
TCTCTTCAAACCTCCACTCCTGCCTCCCAGCTGACACCCTGCAAGGCCACCGGGACCGCTTCATGGAGCAGTTTAC
AAAGTTGAAAGATCTGTTCTACCGCTCCAGCAACCTGCAGTACTTCAAGCGGCTCATTGAGATCCCCCAGCTGCC
TGAGAACCCACCCAACCTTCTGCGAGCCTCAGCCCTGTCAGAACATATCAGCCCTGTGGTGGTGATCCCTGCAGA
GGCCTCATCCCCCGACAGCGAGCCAGTCTAGAGAAGGATGACCTCATGGACATGGATGCCTCTCAGCAGAATTT
ATTTGACAACAAGTTTGATGACATCTTTGGCAGTTCATTGAGCAGTGATCCCTTCAATTTCAACAGTCAAAATGG
TGTGAACAAGGATGAGAAGGACCACTTAATTGAGCGACTATACAGAGAGATCAGTGGATTGAAGGCACAGCTAGA
AAACATGAAGACTGAGAGCCAGCGGGTTGTGCTGCAGCTGAAGGGCCACGTGAGCGAGCTGGAAGCAGATCTGGC
CGAGCAGCAGCACCTGCGGCAGCAGGCGGCCGACGACTGTGAATTCCTGCGGCAGAACTGGACGAGCTCAGGAG
GCAGCGGGAGGACACCGAGAAGGCTCAGCGGAGCCTGTCTGAGATAGAAAGGAAAGCTCAAGCCAATGAACAGCG
ATATAGCAAGCTAAAGGAGAAGTACAGCGAGCTGGTTCAGAACCACGTGACCTGCTGCGGAAGAATGCAGAGGT
GACCAAACAGGTGTCCATGGCCAGACAAGCCAGGTAGATTTGGAACGAGAGAAAAAAGAGCTGGAGGATTTCGTT
GGAGCGCATCAGTGACCAGGGCCAGCGGAAGACTCAAGAACAGCTGGAAGTTCTAGAGAGCTTGAAGCAGGAAC
TGCCACAAGCCAACGGGAGCTTCAGGTTCTGCAAGGCAGCCTGGAACCTTCTGCCAGTCAGAAGCAAACTGGGC
AGCCGAGTTTCGCCGAGCTAGAGAAGGAGCGGGACAGCCTGGTGAGTGGCGCAGCTCATAGGGAGGAGGAATTATC
TGCTCTTCGGAAGAAGTGCAGGACACTCAGCTCAAACTGGCCAGCACAGAGGAATCTATGTGCCAGCTTGCCAA
AGACCAACGAAAAATGCTTCTGGTGGGGTCCAGGAAGGCTGCGGAGCAGGTGATACAAGACGCCCTGAACCAGCT
TGAAGAACCTCCTCTCATCAGCTGCGCTGGGTCTGCAGATCACCTCCTCTCCACGGTCACATCCATTTCCAGCTG
CATCGAGCAACTGGAGAAAAGCTGGAGCCAGTATCTGGCCTGCCCAGAAGACATCAGTGGACTTCTCCATTCAT
AACCTGCTGGCCACTTGACCAGCGACGCCATTGCTCATGGTGCCACCACCTGCCTCAGAGCCCCACCTGAGCC
TGCCGACTCACTGACCGAGGCCTGTAAGCAGTATGGCAGGGAAACCTCGCCTACCTGGCCTCCCTGGAGGAAGA
GGGAAGCCTTGAGAATGCCGACAGCACAGCCATGAGGAACCTGCCTGAGCAAGATCAAGGCCATCGGCGAGGAGCT
CCTGCCCAGGGGACTGGACATCAAGCAGGAGGAGCTGGGGGACCTGGTGGACAAGGAGATGGCGGCCACTTCAGC
TGCTATTGAACTGCCACGGCCAGAATAGAGGAGATGCTCAGCAAATCCCGAGCAGGAGACACAGGAGTCAAATT
GGAGGTGAATGAAAGGATCCTTGGTTGCTGTACAGCCTCATGCAAGCTATTGAGGTGCTCATCGTGGCCTCTAA
GGACCTCCAGAGAGAGATTGTGGAGAGCGGACGGGGTACAGCATCCCCTAAAGAGTTTTATGCCAAGAACTCTCG
ATGGACAGAAGGACTTATCTCAGCCTCCAAGGCTGTGGGCTGGGGAGCCACTGTCTGAGGTGGATGCAGCTGATCT
GGTGGTACAAGGCAGAGGGAATTTGAGGAGCTAATGGTGTGTTCTCATGAAATTGCTGCTAGCACAGCCAGCT
TGTGGCTGCATCCAAGGTGAAAGCTGATAAGGACAGCCCCAACCTAGCCAGCTGCAGCAGGCCTCTCGGGGAGT
GAACCAGGCCACTGCCGGCGTTGTGGCCTCAACCATTTCGGCAAATCACAGATCGAAGAGACAGACAACATGGA
CTTCTCAAGCATGACGCTGACACAGATCAAACGCCAAGAGATGGATTCTCAGGTTAGGGTGTAGAGCTAGAAAA
TGAATTGCAGAAAGGAGCGTCAAAAACCTGGGAGAGCTTCGGAAAAAGCACTACGAGCTTGCTGGTGTGCTGAGGG
CTGGGAAGAAGGAACAGAGGCATCTCCACCTACACTGCAAGAAGTGGTAACCGAAAAAGAATAGAGCCAAACCAA
CACCCCATATGTCAGTGTAATCCTTGTTACCTATCTCGTGTGTGTTATTTCCCCAGCCACAGGCCAAATCCTTG
GAGTCCCAGGGGCGAGCCACACCCTGCCATTACCCAGTGCCGAGGACATGCATGACACTTCCCAAAGACTCCCTC
CATAGCGACACCCCTTTCTGTTTGGACCCATGGTCATCTCTGTTCTTTTCCCGCTCCCTAGTTAGCATCCAGGCT
GGCCAGTGCTGCCCATGAGCAAGCCTAGGTACGAAGAGGGGTGGTGGGGGGCAGGGCCACTCAACAGAGAGGACC
AACATCCAGTCTCTGCTGACTATTTGACCCCAACAATGGGTATCCTTAATAGAGGAGCTGCTTGTGTTTGTGTT
GACAGCTTGGAAGGGAAGATCTTATGCCTTTTCTTTTCTGTTTTCTTCTCAGTCTTTTTCAGTTTTCATCATTTGC
ACAACTTGTGAGCATCAGAGGGCTGATGGATTCCAACACAGGACACTACCCTGAGATCTGCACAGTCAGAAGGA
CGGCAGGAGTGTCTGGCTGTGAATGCCAAGCCATTCTCCCCCTCTTGGGCAGTGCCATGGATTTCCACTGCT

1174/2825
FIGURE 1040B

TCTTATGGTGGTTGGTTGGGTTTTTGGTTTTGTTTTTTTTTTTTAAGTTTCACTCACATAGCCAACTCTCCCAA
AGGGCACACCCCTGGGGCTGAGTCTCCAGGGCCCCCAACTGTGGTAGCTCCAGCGATGGTGCTGCCCAGGCCTC
TCGGTGCTCCATCTCCGCCTCCACACTGACCAAGTGCTGGCCCACCCAGTCCATGCTCCAGGGTCAGGCGGAGCT
GCTGAGTGACAGCTTTCCCTCAAAAAGCAGAAGGAGAGTGAGTGCCCTTTCCCTCCTAAAGCTGAATCCCGGCGGAA
AGCCTCTGTCCGCCTTTACAAGGGAGAAGACAACAGAAAAGAGGGACAAGAGGGTTACACAGCCAGTTCCCGTG
ACGAGGCTCAAAAACCTTGATCACATGCTTGAATGGAGCTGGTGAGATCAACAACACTACTTCCCTGCCGGAATGA
ACTGTCCGTGAATGGTCTCTGTCAAGCGGGCCGTCTCCCTTGCCCCAGAGACGGAGTGTTGGGAGTGATTCCCAAC
TCCCTTCTGCAGACGTCTGCCTTGGCATCCTCTTGAATAGGAAGATCGTTCCACTTTCTACGCAATTGACAAACC
CGGAAGATCAGATGCAATTGCTCCCATCAGGGAAGAACCCTATACTTGGTTTTGCTACCCTTAGTATTTATTACTA
ACCTCCCTTAAGCAGCAACAGCCTACAAAGAGATGCTTGGAGCAATCAGAACTTCAGGTGTGACTCTAGCAAAGC
TCATCTTTCTGCCCGGTACATCAGCCTTCAAGAATCAGAAGAAAGCCAAGGTGCTGGACTGTTACTGACTTGGA
TCCCAAAGCAAGGAGATCATTGAGCTCTTGGGTGAGAGAAATGAGAAAGGACAGAGCCAGCGGCTCCAACCTC
CTTTCAGCCACATGCCCCAGGCTCTCGCTGCCCTGTGGACAGGATGAGGACAGAGGGCACATGAACAGCTTGCCA
GGGATGGGCAGCCCAACAGCACTTTTCTCTCTAGATGGACCCAGCATTTAAGTGACCTTCTGATCTTGGGAA
AACAGCGTCTTCTTCTTTATCTATAGCAACTCATTGGTGGTAGCCATCAAGCACTTCCCAGGATCTGCTCCAAC
AGAATATTGCTAGGTTTTGCTACATGACGGGTGTGAGACTTCTGTTTGATCACTGTGAACCAACCCCCATCTCC
CTAGCCACCCCCCTCCCCAACTCCCTCTCTGTGCATTTTCTAAGTGGGACATTCAAAAACTCTCTCCCAGGAC
CTCGGATGACCATACTCAGACGTGTGACCTCCATACTGGGTTAAGGAAGTATCAGCACTAGAAAATTGGGCAGTCT
TAATGTTGAATGCTGCTTTCTGCTTAGTATTTTTTTGATTCAAGGCTCAGAAGGAATGGTGCGTGGCTTCCCTGT
CCCAGTTGTGGCAACTAAACCAATCGGTGTGTTCTTGATGCGGGTCAACATTTCCAAAAGTGGCTAGTCCCTCACT
TCTAGATCTCAGCCATTCTAACTCATATGTTCCCAATTACCAAGGGGTGGCCGGGCACAGTGGCTCACGCCTGTA
ATCCAGCACTTTGAGAGGCTGAGGTGGTAGGATCACCTGAGGTGAGGAGTTCAAGACCAGCCTGTCCAACATGG
TGAAACCCCCATCTCTACTAAAAATACAAAAAATTAGCCGAGCGTAGTGACGGGTGCCCGTAATCCCAGCTACTC
AGGAGGCTGAGACAGGAGAATCACCTGAACCCCAGAGGCAGAGGTTGCAGTGAGCTGAGATCACGCCATTGTACT
CCAGCCTGGGCAACAAGAGCAAAACTCCGTCTCAAAAAAAAAAAAAAAAAAATTACAAATGGGGCAACAGTCTAGTGT
AATGGATCAAATTAAGATTCTCTGCCAGCCGGGCACAGTGGCGCATGCCTGTAATCCCAGAACTTTGGGAGGCC
AAGACGGGATGATTGCTTGAGCTCAGGAGTTTGAGACCAGGCTGGGCATCATAGCAAGACCTCATCTCTACTAAA
ATTCAAAAAACAAAATTAGCCGGGCATGATGGTGCATGCCTGTAGTCTCAGCTAGTTGGGGAGCTAAGGTGGGAGA
ATTGCTTGAGCTTGGGAAGTCGAGGCTGCAGTCAGCCCTGATTGTGCCAGTGCCTCCGGCCTGGGTGACAGAGT
GAGACCCGTGCTCAAAAAAAAAAAGATTCTGTGTCAGAGCCCAGCCAGGAGTTTGAGGCTGCAATGAGCCATGA
TTTCCCACTGCACTCCAGCCTGAGTGACAGAGCGAGACTCCATCTCTTTAAAAACAAACAAAAAATTATCTGAAT
GATCCTGTCTCTAAAAAGAAGCCACAGAAATGTTTAAAAACTTCATCGACTTAGCCTGAGTCATAACGGTTAAGA
AAGCACTTAAACAGAAGCAGAGGCTAATTCAGTGTACATGAGGAAGTAGCTGTCAGATGTCACATAATTACTTT
CGTAATAGCTCAGATTAGAATGGCTACCCCATCTCTAGACAAAATCAAATTGTCCTATTGTGACTCTTCTAAAA
ATGAAGATGAAGAGCTATTTAATGACACACCTTGGATTAAAAACGGGAATCACATCTTAAAGCTAAAAATGAACCT
GCAAGCCTTCTAAATGAGTCACTGAGCATCACTAGTGACAAGTCTCGGGTGAGCGTAAATGGGTCATGACAAGAT
GGGACAGCAACAAAATCATGGCTTAGGATCGACAAGAAGTTAAAAAACAGCTGCATCTGTTACTTAAGTTTGTA
GACAGTGCCCTGAGACCTCTAGAGAAAAGATGTTTGTGTACATAAGAGAAAGAAGGCCAGACATGGTGTCTCACA
CGTTTAAATCCCAGCACTTTGGGAGGCAGGGGCGGGTGGATCACCTGAGGTGAGGAGTTCAAGACTAGCCTGGCCA
ACATGGTGAAACCCCGTCTCTACTAAAAATACAAAAAATTAGCCGGGCATGGTGGCAGGCGCCTATAATCCCAGCT
ACTGGGGAGGCTGAGGCAGGAGAATC

1175/2825
FIGURE 1041

MSRMWGHLSSEGYGQLCSIYLLKLLRTKMEYHTKNPRFPGNLQMSDRQLDEAGESDVNNFFQLTIVEMFDYLECELNLF
FQTVFNSLDMRSVSVTAAGQCRLAPLIQVILDCSHLYDYTVKLLFKLHSCLPADTLQGHRDRFMEQFTKLKDLF
YRSSNLQYFKRLIQIPQLPENPPNFLRASALSEHISPVVVIPAEASSPDSEPVLEKDDLMDMDASQQNLFDNKFD
DIFGSSFSDDPFNFNSQNGVKNDEKDHLIERLYREISGLKAQLENMKTESQRVVLQLKGHVSELEADLAEQQHLR
QQAADDCEFLRAELDELRRQREDTEKAQRSLSIEIERKAQANEQRYSKLKEYSELVQNHADLLRKNAEVTQVSM
ARQAQVDLEREKKELEDSLERSDQCGQRKTQEQLLEVLESLEKQELATSQRELQVLQGSLETSAQSEANWAAEFDEL
EKERDSLVSAGAAHREELSALRKELQDTQLKLASTEESMCQLAKDQRKMLLVGSRKAAEQVIQDALNQLEEPPLI
SCAGSADHLLSTVTSISSCIEQLEKSWSQYLACPEDISGLLHSITLLAHLTSDAIAHGATTCLRAPPEDSLTE
ACKQYGRETLAYLASLEEEGSLENADSTAMRNCLSKIKAIGEELLPRGLDIKQEELGDLVDKEMAATSAAIETAT
ARIEEMLSKSRAGDTGVKLEVNERILGCCTSLMQAIQVLIVASKDLQREIVESGRGTASPKEFYAKNSRWTEGLI
SASKAVGWGATVMVDAADLVVQGRGKFEELMVCSEHIAASTAQLVAASKVKADKDSPNLAQLQQASRGVNQATAG
VVASTISGKSQIEETDNMDFSSMTLTQIKRQEMDSQVRVLELENELOKERQKLGEELRKKHYELAGVAEGWEEGTE
ASPPTLQEVVTEKE

1176/2825
FIGURE 1042

CGGCGGCGGCGGGCAGCGGACGGGCGGACTGACGGGCGCCTCCACCTTGCTCCCTCCCTGGCTGCCGGCTTCCTT
TTGTCTTTCTGGGCGGCGATGAGCGCAGGGCCGGCGCAGCAGCTGCGGGCGCACGGAGGCCCGCGCTGCTAGTCA
CTCCTCCCGGCTCGGCGCGCTTGTCCTCGGCGAGCGGGCCGGGCGCGCTGCAGCCGCCCGCGGCGCCGAACTTGG
GCTCGGGAAGCCGGCGGACCGCGTCCTGCGCCGGAGCAGGGGCATGGTCTAGTGGCCCAGTCAGGACGCGGAAAC
ACTCCCTGGAGGTTCGACCCACTCCCTCTCAGCCTCCGCCCTGGTCTCTGGTGTAGTCGCGCCGCCAGCCGCCA
TGGGCAAACAGAACAGCAAGCTGCGGCCCCGAGGTGCTGCAGGACCTGCGGGAGAACACGGAGTTCACCGACCACG
AGCTGCAGGAGTGGTACAAGGGCTTCCTCAAGGACTGCCCCACCGGCCACCTGACCGTGGACGAGTTCAAGAAGA
TCTACGCCAACTTCTTCCCCTACGGCGACGCTTCCAAGTTCGCCGAGCACGTCTTCCGCACCTTCGACACCAACG
GCGACGGCACCATCGACTTCCGGGAGTTCATCATTGCGCTGAGCGTGACCTCGCGGGGCAAGCTGGAGCAGAAGC
TCAAGTGGGCCTTCAGCATGTACGACCTGGACGGCAACGGCTACATCAGCCGCAGCGAGATGCTGGAGATCGTGC
AGGCCATCTACAAGATGGTGTCTGTGTGATGAAGATGCCGGAGGATGAGTCCACCCCGGAGAAGCGCACAGACA
AGATCTTCAGGCAGATGGACACCAACAATGACGGCAAACCTGTCTTGGAAGAATTCATCAGAGGTGCCAAGAGCG
ACCCCTCCATCGTCCGCCTGCTGCAGTGCACCCAGCAGTGCCAGTCAGTTCTGAGCGAGCGGCCCCCTGGACAG
TTGCAGAGAAACACAGGCTTGTCGTGCCGTTTAAGCTTTGCTTGCAAGAGTGGATGCCCCGCAATCGTTCCCTGCT
CTCCCGGGCCCCGGGCTGGGGCATGCGTTGCACCTGCCCGGCCCGGTGGCTGCGCCTCCCTCCTCCACCTGACC
AACGCGACATTCTTCCCCTCAGCCTGGCCCCGTCCCTTCCAGGGCAACTCCAGGGATGTGGTGACATGCAGGG
TTCAAGTGTTCCTGGTTCCAGGCACCTCCCGGCTCACGGGGAGCTCAGAGGTCCATGCCGAGGAGACCAGGCAGG
ACCTCCCGAGGCTGCGCCCCGGCCGGCCCATGCGTTTTGTGATCCCAAGTGAATCTGTGGGAAGGGTGGGGACGA
GGCGTCGGGAGGGTATACAGGGAGCCCCCTCCCGTGATGGCTGCCCCCGTTTCAATTTCTCCACCACAGCCGCT
TGCACGTATAGATACTGTGGTCCCCTTTCTTTTAAATATATAAATTATGTATGGTGAAGTGGAGTGTATTGTGTAG
GTCCCGTATTTAATGCCTCTGACTGCCTTTGAAGCGCAGCCCTCTGTGGCCCGCAGCCCCCTGAGCCTGGCTGTT
GTGTGGTATTTATGCTCTCTTTGTCTGCCTGTTTCTAAGGAAATGCATGTGTGCCCTGAGCCGTGATGATCCTCC
CATCCGTGTTGTGAGCACAGGCATTTGTGTCTGGTCTGTCTCCCTGTTGATTGGTCTGGCATTTCGGGTATTAA
AATGATAAAATAAATGGCATTCTGAAAAAAAAAAAAAAAAAAAAA

1177/2825
FIGURE 1043

MGKQNSKLRPEVLQDLRENTFTDHELQEWYKGFLKDCPTGHLTVDEFKKIYANFFPYGDASKFAEHVFRFTDTN
GDGTIDFREFIIALSVTSRGKLEQKLKWAFSMYDLGNGYISRSEMLEIVQAIYKMOVSSVMKMPEDSTPEKRTD
KIFRQMDTNNDGKLSLEEFIRGAKSDPSIVRLLQCDPSSASQF

1178/2825
FIGURE 1044

CGCGGCTCAGTAATTGAAGGCCTGAAACGCCCATGTGCCACTGACTAGGAGGCTTCCCTGCTGCGGCACCTTCATG
ACCCAGCGGCGCGCGGCCAGTGAAGCCACCGTGGTGTCCAGCATGGCCGCGCTGCTCCTGGGCGCGGTGCTGCT
GGTGGCCCAGCCCCAGCTAGTGCCTTCCCGCCCCGCCGAGCTAGGCCAGCAGGAGCTTCTGCGGAAAGCGGGGAC
CCTCCAGGATGACGTCCGCGATGGCGTGGCCCCAAACGGCTCTGCCAGCAGTTGCCGAGACCATCATCATCGG
CGTGCGCAAGGGCGGCACGCGCGCACTGCTGGAGATGCTCAGCCTGCACCCCGACGTGGCGGCCGCGGAGAACGA
GGTCCACTTCTTCGACTGGGAGGAGCATTACAGCCACGGCTTGGGCTGGTACCTCAGCCAGATGCCCTTCTCCTG
GCCACACCAGCTCACAGTGGAGAAGACCCCGCGTATTTACGTCGCCCCAAAGTGCCTGAGCGAGTCTACAGCAT
GAACCCGTCCATCCGGCTGCTGCTCATCCTGCGAGACCCGTGCGAGCGCGTGCTATCTGACTACACCCAAGTGTT
CTACAACCACATGCAGAAGCACAAGCCCTACCCGTCCATCGAGGAGTTCCTGGTGCGCGATGGCAGGCTCAATGT
GGACTACAAGGCCCTCAACCGCAGCCTCTACCACGTGCACATGCAGAACTGGCTGCGCTTTTTCCCGCTGCGCCA
CATCCACATTGTGGACGGCGACCGCCTCATCAGGGACCCCTTCCCTGAGATCCAAAAGGTCGAGAGGTTCTTAAA
GCTGTGCGCGCAGATCAATGCTTCGAACTTCTACTTTAACAAAACCAAGGGCTTTTACTGCCTGCGGGACAGCGG
CCGGGACCGCTGCTTACATGAGTCCAAAGGCCGGGCGCACCCCCAAGTCGATCCCAAATACTCAATAAACTGCA
CGAATATTTTCATGAGCCAAATAAGAAGTTCTTCGAGCTTGTTGGCAGAACATTTGACTGGCACTTCGATTTGCAAT
AAGCTAAGCTCAGAACTTTTCTACTGTAAAGTTCTGGTGTACATCTGAGGGGAAAAAGAATTTTAAAAAAGCATT
TAAGGTATAATTTATTTGTAAATCCATAAAGTACTTCTGTACAGTATTAGATTACAATTGCCATATATACTAG
TTATATTTTCTACTTGTTAAATGGAGGGCATTGTTGTTTTCATGGTTGTTAACATTGTGTAATATGTCT
CTATATGAAGGAATAAATACTTTTACTGA

1179/2825
FIGURE 1045

MAALLLGAVLLVAQPQLVPSRPAELGQQELLRKAGTLQDDVRDGVAPNGSAQQLPQTIIIGVRKGGTRALLEMLS
LHPDVAAAENEVHFFDWEEHYSHGLGWYLSQMPFSWPHQLTVEKTPAYFTSPKVPERVYSMNPSIRLLLLILRDP
ERVLSDYTQVFYNHMQKHKPYPSIEEFLVRDGRNLNVDYKALNRSLYHVMQNWLRFPLRHHIIVDGDRLIRDPF
PEIQKVERFLKLSPQINASNIFYFNKTKGFYCLRDGRDRCLHESKGRAHPQVDPKLLNKLHEYFHEPNKKFFELV
GRTFDWH

1180/2825
FIGURE 1046

CTAGATGACTGCCAGAAGCTCATAGAACACGGAGTCAACACTGCAGAGGACTTAGTCCGAGAAGGTGAAATCGCC
ATGCTTGGTGGTGTGGGAGAAGAGAATGGGAAACTGTGGAGCTTTACCAAAAAGGCCTCGCACATTTCAGTTGGAC
AGCTTACCAGAAGTACCTTTACTGGTTGATGTGCCTTGTTTATCTGCTCAGTTGGATGACTCAATTCTTAACATA
GTGAAAGACCACATTTTTTAAGCATGGAACAGTAGCATCTCGCCCACCAGTACAGATAGAAGAACTAATAGAGAAA
CCTGGAGGCATCATTGTACGATGGTGTAAAGGTGGATGATGACTTTACAGCCCAAGATTACAGGCTCCAGTTTCGT
AAATGTACTTCAAATCATTTTTGAGGATGTATATGTAGGTTCTGAAACTGAATTCATAGTATTGCACATAGACCCC
AACGTTGATTACCAGTTCAGAGTCTGCGCCCGAGGAGATGGAGCTGGAGCCTGAGCTGCTGTTGCAGGAGGCCCG
CGAGAACGTGGAGGCAGCGCAGAGCTACCGCGGGAGCTGGGTCACCGGCTTGAGGGGCTGCGTGAGGCGCGGAG
GCAGATCAAAGAAAGTGCATCACAGACAAGGGATGTTCTCAAACAGCATTTTAATGATTTAAAGGGAACCGTTGG
AAAGCTCCTGGATGAGCGATTGGTGACCTTTTGCAAGAGGTGGACACCATTGAACAGGAGACCATTAAACCACT
AGATGACTGCCAGAAGCTCATAGAACACGGAGTCAACACTGCAGAGGACTTAGTCCGAGAAGGTGAAATCGCCAT
GCTTGGTGGTGTGGGAGAAGAGAATGAGAACTGTGGAGCTTTACCAAAAAGGCCTCGCACATTTCAGTTGGACAG
CTTACCAGAAGTACCTTTACTGGTTGATGTGCCTTGTTTATCTGCTCAGTTGGATGACTCAATTCTTAACATAGT
GAAAGACCACATTTTTTAAGCATGGAACAGTAGCATCTCGCCCACCAGTACAGATAGAAGAACTAATAGAGAAACC
TGGAGGCATCATTGTACGATGGTGTAAAGGTGGATGATGACTTTACAGCCCAAGATTACAGGCTCCAGTTTCGTAA
ATGTACTTCAAATCATTTTTGAGGATGTATATGTAGGTTCTGAAACTGAATTCATAGTATTGCACATAGACCCCAA
CGTTGATTACCAGTTCAGAGTCTGCGCCCGAGGAGATGGCCGACAGGAGTGGAGTCTTGAGTGTCCCCCAGAT
AGGTCATTCCACATTGGTGCCTCATGAGTGGACAGCTGGTTTTGAGGGGTACAGTCTGAGCAGTCGAAGAAATAT
AGCACTTCGGAACGATTCTGAATCATCGGGTGTCTCTACTCCAGAGCTCCGACTTATTTCTGTGGGCAGACATT
AACATTTCAGAGTTGAAACTGTGGGACAGCCAGACAGAGAAGAGATAGCATAGGAGTGTGCGCAGAAAAACAGGATGG
ATATGACTCTCTGCAGCGGGATCAAGCTGTGTGCATTAGTACAAATGGTGCAGTTTTTGTCAATGGAAAAAGAAAT
GACAAATCAGTTACCCGCAGTTACTTCTGGGTCCACTGTCACGTTTGACATTGAAGCCGTGACTCTAGGAACCAC
CAGTAATAATGAAGGTGGACACTTCAAGCTTCGAGTAACTATAAGTTCAAATAATAGAGAAGTGGTTTTTGTACTG
GTTACTTGATCAGTCTTGIGGTTCTCTTTACTTTGGATGCTCATTTTTCTATCCTGGATGGAAAGTGTTAGTGT
TTAGATGTTTGGGTGCTTGGCTTTGGTTTTCAGGGTCTAACGTAGCTGTCCTCAGCCAGCGTAGTTGTAATTGC
TTTAAAAAAAAGTTGAATTCATCTCTAAGCTTAGGCCATTGGAAAGTGTTTACTGGATTCAATTTGTAATATTTT
AGCAAAAAGAGACTTCAATGTTGTGGACAAAATCATACAATTCAGTCAATTTTATTTTAGCATACTGTTAAATA
TCACATCACAATAAAAATCAAATTGGCATTAAAAGTATAGAAGATATAGGAAGTTCTATACCCCTCCACTGTACT
TCTCAAAGTTGGTTATTAGACCAGGAAAACCTAATGTAATATTATTTTAAATCATCTTAAAGGATCCAAGTCC
ATGTAACCTCTTAGAACAAAGAGGAATAGGTCAGATAGAAGAAGCTGTGTAATGTATTAAATACATCCGTTTCATGTG
CTGTCCACATGAATGTGTTGACTGTGCTCTCCATGTTTCAGGTATTTGTAAGCAGTGTGACTTTTATCCCTCTT
CAGTAATCTTTAAGTCCCCAAAACATTATAATTTTTCTTTTTTGTGAGACGGAGTCTCACTCTTGTCACTCA
GGCTGGAGTGCAGTGGTGTGATCTCAGTTCACTGCAACCTCTGCCCTCCACGTTCAAGCGATCCTCCTGCCTCAG
CCTCCTGAGTAGCTGGGATTACAGGTGTCGGCCACCACACCTGGCTAATTTTTGTATTTTATAGTAGAGACAGGGT
TTCACCATGTTGGCCAGGCTGGTCTTTAACTCCTGACCTCAGGTGTTCCACCCACCTCAGCCTTCCAAAGTGCTA
GGATTACAGGCGTGAGCCACTGCAGTGGGCCAATTTTTGTATTTTTTAAATGCTTGACCAAGTGTCTAAAAATAG
GCAAGTAGTACCTTTTGTCTTTTCATTGCAATTTGATACAGTATAGGCTACAGTATTTTACAGGGTAAAACTAG
TTATGGCAGTAGTATGCACAGCAGTGTAGCCATTTTCGTATGTATGTAATATGCACGTGTGTATCCAATCTGCCT
GTGACATGCATTTTACTCTTTGTCAGAGAATGAGCTGCAGTCCAGTTAATGTGAGTTTAAATAGTGGTCTCTTTT
TAGCAGAGCAAAAAAATATAGCGTAAATACTTATTTTTTTTAAAACTTACTTAAATTTGTGTGTAATAATTTA
TTTGAAGGACTTTAATATGTAAAAATAATTGTCTTCTATGCCACCCTACAGATTCTATTTTAAATGTGAATTATTT
TTTTCATTTTTTACCAGTAGTAAAAAAGTAGAAAAGCAAGTATGATATTTTTGTAAAGATAATTTATTTGGGGATT
ATGTTCCCTGTTAGACAATCATGACCTTTTCTACTTGTCTTTTTATATATAAGTAGTAGATTTCCACTTGTTTA
GGGATTAAGAAGATGTTCTAGAATGTAGATACCTTGTCCAGCCATAGGAATCAAATAAAAAACTAAAAA
AAAAAAAAAAAAAAAAAAAAA

1181/2825
FIGURE 1047

MELEPELLLQEARENVEAAQSYRRELGHRLEGLREARRQIKESASQTRDVLKQHFNDLKGTVGKLLDERLVTLLQ
EVDTIEQETIKPLDDCQKLIHGVNTAEDLVREGEIAMLGGVGEENEKLWSFTKKASHIQLDLPEVPLLVDPVC
LSAQLDDSilNIVKDHIFKHGTVASRPPVQIEELIEKPGGIIVRWCKVDDDFTAQDYRLQFRKCTSNHFEDVYVG
SETEFIVLHIDPNVDYQFRVCARGDGRQEWSPWSVPQIGHSTLVPHEWTAGFEGYSLSSRRNIALRNDSESSGVL
YSRAPTYFCGQTLTFRVETVGQPDRRDSIGVCAEKQDGYDSLQRDQAVCISTNGAVFVNGKEMTNQLPAVTSGST
VTFDIEAVTLGTTSNNEG GHFKLRVTISSNNREVVF DWLLDQSCGSLYFGCSFFYPGWKVLVF

1182/2825
FIGURE 1048

GTCCCCGCAGCGCCGTCGCGCCCTCCTGCCGCAGGCCACCGAGGCCGCCGCCGTCTAGCGCCCCGACCTCGCCAC
CATGAGAGCCCTGCTGGCGCGCCTGCTTCTCTGCGTCCTGGTCGTGAGCGACTCCAAAGGCAGCAATGAACTTCA
TCAAGTTCCATCGAACTGTGACTGTCTAAATGGAGGAACATGTGTGTCCAACAAGTACTTCTCCAACATTCACTG
GTGCAACTGCCCAAAGAAATTCGGAGGGCAGCACTGTGAAATAGATAAGTCAAAAACCTGCTATGAGGGGAATGG
TCACTTTTACCGAGGAAAGGCCAGCACTGACACCATGGGCCGCCCTGCCTGCCCTGGAACCTCTGCCACTGTCCCT
TCAGCAAACGTACCATGCCCACAGATCTGATGCTCTTCAGCTGGGCCTGGGGAAACATAATTACTGCAGGAACCC
AGACAACCGGAGGCGACCCTGGTGCTATGTGCAGGTGGGCCCTAAAGCCGCTTGTCCAAGAGTGCATGGTGCATGA
CTGCGCAGATGGAAAAAGCCCTCCTCTCCTCCAGAAGAATTTAAATTTTCAGTGTGGCCAAAAGACTCTGAGGCC
CCGCTTTAAGATTATTGGGGGAGAATTCACCACCATCGAGAACCAGCCCTGGTTTTCGGCCATCTACAGGAGGCA
CCGGGGGGGCTCTGTCTACCTACGTGTGTGGAGGCAGCCTCATCAGCCCTTGTGCGGTGATCAGCGCCACACACTG
CTTCATTGATTACCCAAAGAAGGAGGACTACATCGTCTACCTGGGTGCGCTCAAGGCTTAACTCCAACACGCAAGG
GGAGATGAAGTTTGAGGTGGAAAACCTCATCCTACACAAGGACTACAGCGCTGACACGCTTGCTCACCACAACGA
CATTGCCTTGCTGAAGATCCGTTCCAAGGAGGGCAGGTGTGCGCAGCCATCCCGGACTATACAGACCATCTGCCT
GCCCTCGATGTATAACGATCCCCAGTTTGGCACAAGCTGTGAGATCACTGGCTTTGGAAAAGAGAATTCTACCGA
CTATCTCTATCCGGAGCAGCTGAAAATGACTGTTGTGAAGCTGATTTCCACCGGGAGTGTGAGCAGCCCCACTA
CTACGGCTCTGAAGTCACCACCAAAATGCTATGTGCTGCTGACCCCCAATGGAAAACAGATTCTGCCAGGGAGA
CTCAGGGGGGACCCCTCGTCTGTTCCCTCCAAGGCCGCATGACTTTGACTGGAATTGTGAGCTGGGGCCGTGGATG
TGCCCTGAAGGACAAGCCAGGCGTCTACACGAGAGTCTCACACTTCTTACCCTGGATCCGCAGTCACACCAAGGA
AGAGAATGGCCTGGCCCTCT**TGA**AGGGTCCCCAGGGAGGAAACGGGCACCACCCGCTTTCTTGCTGGTTGTGATTTT
TGCAGTAGAGTCATCTCCATCAGCTGTAAGAAGAGACTGGGAAGATAGGCTCTGCACAGATGGATTTGCCTGTGG
CACCACCAGGGTGAACGACAATAGCTTTACCCTCACGGATAGGCCTGGGTGCTGGCTGCCAGACCCTCTGGCCA
GGATGGAGGGGTGGTCTGACTCAACATGTTACTGACCAGCAACTTGTCTTTTTCTGGACTGAAGCCTGCAGGAG
TTAAAAAGGGCAGGGCATCTCCTGTGCATGGGCTCGAAGGGAGAGCCAGCTCCCCCGACCGGTGGGCATTTGTGA
GGCCCATGGTTGAGAAATGAATAATTTCCCAATTAGGAAGTGTAGCAGCTGAGGTCTCTTGAGGGAGCTTAGCC
AATGTGGGAGCAGCGGTTTGGGGAGCAGAGACACTAACGACTTCAGGGCAGGGCTCTGATATTCCATGAATGTAT
CAGGAAATATATATGTGTGTATGTTTGACACTTGTGTGTGGGCTGTGAGTGTAGTGTAGTAAGAGCTGG
TGTCTGATTGTTAAGTCTAAATATTTCCCTAAACTGTGTGGACTGTGATGCCACACAGAGTGGTCTTTCTGGAGA
GGTTATAGGTCACCTCTGGGGCCTCTTGGGTCCCCACGTGACAGTGCCTGGGAATGTACTTATTCTGCAGCATG
ACCTGTGACCAGCACTGTCTCAGTTTCACTTTACATAGATGTCCCTTTCTTGCCAGTTATCCCTTCCTTTTAG
CCTAGTTCAATCAATCCTCACTGGGTGGGGTGAGGACCACTCCTTACACTGAATATTTATATTTCACTATTTTA
TTTATATTTTGTAAATTTTAAATAAAAGTGATCAATAAAATGTGATTTTTCTGA

1183/2825
FIGURE 1049

MRALLARLLLCVLVVSDSKGSNELHQVPSNCDCLNGGTCVSNKYFSNIHWCNCPKKFGGQHCEIDKSKTCYEGNG
HFYRGKASTDTMGRPCLPWNSATVLQQTYHAHRSDALQLGLGKHNYCRNPDNRRRPWCYVQVGLKPLVQECMVHD
CADGKKPSSPPEELKFQCGQKTLRPRFKIIGGEFTTIENQPWFAAIYRRHRGGSVTYVCGGSLISPCWVISATHC
FIDYPPKEDYIVYLGRSRLNSNTQGEMKFEVENLILHKDYSADTLAHHNDIALLKIRSKEGRCAQPSRTIQTICL
PSMYNDPQFGTSCEITGFGKENSTDYLYPEQLKMTVVVKLISHRECQQPHYYGSEVTTKMLCAADPQWKTDSCQGD
SGGPLVCSLQGRMTLTGIVSWGRGCALKDKPGVYTRVSHFLPWIRSHTKKEENGLAL

1184/2825
FIGURE 1050

CGGCTGAGAGGCAGCGAACTCATCTTTGCCAGTACAGGAGCTTGTGCCGTGGCCCACAGCCCACAGCCCACAGCC
ATGGGCTGGGACCTGACGGTGAAGATGCTGGCGGGCAACGAATTCCAGGTGTCCCTGAGCAGCTCCATGTCGGTG
TCAGAGCTGAAGGCGCAGATCACCCAGAAAGATTGGCGTGCACGCCTTCCAGCAGCGTCTGGCTGTCCACCCGAGC
GGTGTGGCGCTGCAGGACAGGGTCCCCCTTGCCAGCCAGGGCCTGGGCCCTGGCAGCACGGTCCTGCTGGTGGTG
GACAAATGCGACGAACCTCTGAGCATCCTGGTGAGGAATAACAAGGGCCGCAGCAGCACCTACGAGGTCCGGCTG
ACGCAGACCGTGGCCCACCTGAAGCAGCAAGTGAGCGGGCTGGAGGGTGTGCAGGACGACCTGTTCTGGCTGACC
TTCGAGGGGAAGCCCCTGGAGGACCAGCTCCCGCTGGGGGAGTACGGCCTCAAGCCCCTGAGCACCGTGTTCATG
AATCTGCGCCTGCGGGGAGGCGGCACAGAGCCTGGCGGGCGGAGC**TAA**GGGCCTCCACCAGCATCCGAGCAGGAT
CAAGGGCCGAAATAAAGGCTGTTGTAAGAGAAT

1185/2825
FIGURE 1051

MGWDLTVKMLAGNEFQVSLSSMSVSELKAQITQKIGVHAFQQR LAVHPSGVALQDRVPLASQGLGPGSTVLLVV
DKCDEPLSILVRNNKGRSSTYEVRLTQTV AHLKQQVSGLEGVQDDLFWLTFEGKPLEDQLPLGEYGLKPLSTVFM
NLRLRGGGTEPGGRS

1186/2825
FIGURE 1052

TTTAAGGCGCCGGGTTTCCGGGGCTCCTGGCCCCGCTTATTCCGCGGGGGTTCGGCGGGGTTCGGCCTGGGCGCCCCG
CGCCGCCGCTGCGCTTTGTCCGCTGGGCACACTGCTTCTGGGAGGGGCGGGCAGACATGGTGGCGGCCCGCCGCC
CCTCCTCGGCCCTAGCATGCCGCGGCCCGCCTCGCGGCTACCCGGCTTGCCGGTCCCAGCGGCAGCCCCGGGGTG
GCGATGGGGTTCGCGCCGAGGCAGCGGAGGTTCCTGCGGGCGACTGGAGGTTGGCAGTGGGCGGGAGAAAAGAGGAAG
GCAGGCGCGGCTGGGCCTCGGCCTCTGGCGCCGCGGTACCCCTTTGTCTCGGCAGCCTGACGGCCCCGCCGGGCTC
TCCGAGAGGGGAACGGGCGGCGAGGGTGGCGGGTCCCTGGGCGCCCTGTGCTGCGGGGCCGAGAGGCGCTCGGGT
CGCGGCGGGACCGGCCGACCAGACAGGGTTAATGGAAGAGCCTGGCCAGTCCGCGCGGGGGCCCCCGCAGCGAC
AGCCTTGCCCGCGGGGACTGGAGTCCTGAGGGGGAGAAGCCTGCCGTTCTTGAAGGCTCGGGACTTCTGCCCCAAA
GACTTCGCCGCCGAGAACTGCGGGTGCACCTGCCTCAGGGAAGAAGTTGAGAATTTTGCCAGGTCATCTCTGCCAG
GGCACAGTTCATCACTGTGTGTTTAGTGTGTTTCGGTGAAGCTCTCCAAGTGTGTTGAATCAGCGTGCCTAGCCT
CAAGGGTGCATCGTGAAACTGAAACCAAAGGAATGATACAGGCCTGCTTTGTGTGTGTCTTCCCACTTTAAGCT
TGTTTTCAGTACAAATACTCTTGCTTTAAACCTGATTGGACTGTGGCGAGCGGACATCTGTTCAAAGGAGGGGCC
GAGACCACAGTACTTCTGAAGGGGGCTTGATAATGTGGAAACATTTTAAGTTTTCTCTCCGGACTGTTTTGCTCT
CTCAATTCAGGCAAGTTACTGAAGTACGTTTTTTATCTAGAAAAAGGTTTGATGTAGTCTGTAAATGGTCCTTGT
AAAGTACATTGCCATCTCAGAATTAAGATCCACTCTCATTATTATGCAGAAGTTAGTGGTCATTCTTTCCTG
TAGATAGTTTATCTCATGTAAAGACCCACCCAGCTTGGTTTAAATTTTTTCTCACTGACGTATAACCATCAGCT
TTGATACTTCCATTTTCAGGCTCAGACTTTGAATTTAAGGAACTAAAGATGACTTTATTTTCTTTTCTCTTGGT
TTTTTTTTCCAAAAACAAAAATAAATCCATTACATGTTAACATAGATGATAAGAGTGACATCTTGCATTTTTGC
AAATCTTTTTTAATGCCTGGTTTAATAGAAGATTCTCAGATCTACGTCAGACTGTTGTGGTTAGCACACCATGTAA
CCTCTGGAACACTCCACTGTACACTCATACTTTTTTT

1187/2825
FIGURE 1053

MPRPFRGYACRSRAAAPGWRWGRAEAAEVLRAATGGWQWAGERGRQARLGLGLWRRGTLCIGSLTAPPGSPERGT
GGEGGGSWAPCAAGPRGARVAAGPAGPDRVNGRAWPVPRGAPAATALAAGTGVLGRSLPF

1188/2825
FIGURE 1054

CGACGCGGGAGCCGCACGCGCGGACGAGGCTCGCTGCGCTCCCTGTTGCCAGCGCGGGCCCGTTGAGGCGGAG
CCCTCAGTTCCCGGCCAGGACACGGTCTGGGCGCGCGAATCTCCGGCCGAAGAGCGGCGGCGGCAGCGGCGGGAA
AAAA**ATGA**AAGATGAAATTGCTGCCGTTGTCTTCTTTTTTCACAAGGCTAGTTTCGAAAACATGATAAGTTGAAAA
AGAGGCAGTTGAGAGGTTTGTGTGAGAAATTGACCTAATACTTCAAGAAAAATATAAAAAATCACTGGTATCCAGA
AAAACCATCGAAAGGACAGGCCTACAGATGTATTTCGTGTCAATAAATTTTCAGAGAGTTGATCCTGATGTCTTGAA
AGCCTGTGAAAACAGCTGCATCTTGTATAGTGACCTGGGCTTGCCAAAGGAGCTCACTCTCTGGGTGGACCCATG
TGAGGTGTGCTGTCTGTAGAGATGGGGTTTACCATGTTGGCCAGACTGCTCTCAAACCTCCTGACCTCGTGATCCG
CCCGCCTTGGCCTCCCAAAGCGCTGGATTACAGGCGTGAGCCACTGCGCCCGGCCTCCTCCTTTTTTGATTATGTA
TGGAGAGAAAAACAATGCATTCATTGTTGCCAGCTTTGAAAAATAAGATGAGAACAAGGATGAGATCTCCAGGAA
AGTTACCAGGGCCCTTGATAAGGTTACCTCTGATTATCATTCAAGGATCCTCTTCTTCAGATGAAGAAACAAGTAA
GGAAATGGAAGTGAACCCAGTTCGGTGACTGCAGCCGCAAGTCCTGTGTACCAGATTTTCAGAACTTATATTTCC
ACCTCTTCCAATGTGGCACCCTTTGCCAGAAAAAAGCCAGGAATGTATCGAGGGAATGGCCATCAGAATCACTA
TCCTCCTCCTGTTCCATTTGGTTATCCAAATCAGGGAAGAAAAAATAAACCATATCGCCCAATTCCAGTGACATG
GGTACCTCCTCCTGGAATGCATTGTGACCGGAATCACTGGATTAATCCTCACATGTTAGCACCTCACT**TAA**CTTCG
TTTTTGATTGTGTTGGTGTCTATGTTGAGAAAAAGGTAGAATAAACCTTACTACACATTAAAAGTTAAAAGTTCTT
ACTAATAGTAGTGAAGTTAGATGGGCCAAACCATCAAACCTATTTTTTATAGAAGTTATTGAGAATAATCTTTCTT
AAAAAATATATGCACTTTAGATATTGATATAGTTTGAGAAATTTTATTAAAGTTAGTCAAGTGCCTAAGTTTTTA
ATATTGGACTTGAGTATTTATATATTGTGCATCAACTCTGTTGGATACGAGAACCCTGTAGAAGTGGACGATTTG
TTTTAGCCCCCTTTGAGAATTTACTTTATGGAGCGTATGTAAGTTATTTATATACAAGGAAATCTATTTTATGTCTG
TTGTTTAAAGAGAATTGTGTGAAATCATGTAGTTGCAAATAAAAAATAGTTTGAGGCAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAA

1189/2825
FIGURE 1055

MKNEIAAVVFFFTRLVRKHDKLKKEAVERFAEKLTLILQEKYKNHWYPEKPSKGQAYRCIRVNKFQRVDPDVLKA
CENSCILYSDLGLPKELTLWVDPCEVCCRRDGVSPCWDCSQTPDLVIRPPWPPKALDYRREPLRPASSFLIMYG
EKNNAFIVASFENKDENKDEISRKVTRALDKVTSYHSGSSSSDEETSKEMEVKPPSSVTAAASPVYQISELIFPP
LPMWHPLPRKKPGMYRGNGHQNHYPVPVFGYPNQGRKNKPYRPIPTWVPPPGMHCDRNHWINPHMLAPH

1190/2825
FIGURE 1056

AGGTAATGATTAATCTGTCAGGCACAAAAGGGATTGTTTTGGGGATTTCGGGGTTCTAAGTCGCAGATTCAAACAA
ATAGCAGCGAACAGGGAATGACAGTTCCACCAGAAGACGATTAAGCCACAGCCTCTAATTGGAACGGCATTGTGA
CAGTCAGAGACTCTTACCAGACATCTCCAGGAATCTGTGAGCCATTGTCAAAACGTCCATTTTCATCTGGCTGTG
AAAGTGAGGACCACAACAGGTAGGTATTGGTAGAAACAGGAGTCCTCAGAGAAGCCCCAAG**ATG**CAGCCTGAGGG
AGCAGAAAAGGGAAAAAGCTTCAAGCAGAGACTGGTCTTGAAGAGCAGCTTAGCGAAAGAAACCCCTCTCTGAGTT
CTTGGGCACGTTTCATCTTGATTGTCCTTGGATGTGGCTGTGTTGCCCAAGCTATTCTCAGTCGAGGACGTTTTGG
AGGGGTCATCACTATCAATGTTGGATTTTCAATGGCAGTTGCAATGGCCATTTATGTGGCTGGCGGTGTCTCTGG
TGGTCACATCAACCCAGCTGTGTCTTTAGCAATGTGTCTCTTTGGACGGATGAAATGGTTCAAATTGCCATTTTA
TGTGGGAGCCCAGTTCTTGGGAGCCTTTGTGGGGGCTGCAACCGTCTTTGGCATTACTATGATGGACTTATGTC
CTTTGCTGGTGGAAAAGTCTGATCGTGGGAGAAAAATGCAACAGCACACATTTTTGCAACATAACCCAGCTCCGTA
TCTATCTCTGGCGAACGCATTTGCAGATCAAGTGGTGGCCACCATGATACTCCTCATAATCGTCTTTGCCATTTT
TGACTCCAGAACTTGGGAGCCCCCAGAGGCCTAGAGCCCATTGCCATCGGCCTCCTGATTATTGTCAATTGCTTC
CTCCCTGGGACTGAACAGTGGCTGTGCCATGAACCCAGCTCGAGACCTGAGTCCAGACTTTTCACTGCCTTGGC
AGGCTGGGGGTTTGAAGTCTTCAGAGCTGGAAACAACCTTCTGGTGGATTCTGTAGTGGGCCCTTTGGTTGGTGC
TGTCAATTGGAGGCCTCATCTATGTTCTTGTCAATTGAAATCCACCATCCAGAGCCTGACTCAGTCTTTAAGGCAGA
ACAATCTGAGGACAAACCAGAGAAATATGAACTCAGTGTCAATCAT**GTAGT**GGCATGCTCAGCTCTGGATTTCAG
TCAGTTTGGGATTCTCTTCAGAAAGATGGCATCTAAGTGTCTGTGTTCTTGTAAGCCTGAGGTGGAATCCACCCA
GTTTTGTCTGCTAGCCATATGGGACATCTAATTGGAAAAAGCATCTGCATAAAAGTTTGGAAACAATGACCACTTC
TCTACCATTGTCCCCACCCCCACCCCCAGAATAACGCTGACTGTCCCCTGAAACAGCCTTCTCTCCTGCCCTGT
TTATTTTCATCTCGATGGGAATTCTTGCTAGGTAAGCACTAATAACTCGGCATCTTGACGATAGTCCCATTGGG
TGGTTTTAGCTGCACTATCTGTATGAAATGGTGTCAACAAAACCCTTTTCTTCAGTATCGACAAAGATTACATTC
TGAGTACCAACCAACCCCTAAATTGAAAGACAAAACCTATGGTTTTAGTCAACATATTTCATGAATTAGGGAGCTAA
TGGGTTAAGCTTCCAGTTCCCGCTATGCTACTGGATTGTATAAAATACTGATATTCTCCAACCTAGTGGTGTAG
GGAGCAAGAGAATGCAGCTGGAAGGCACAAGGGGAGGACATTGTGGCATTTCAGAACTGCAGGAGACAAGATGAA
TTTGAGAAGCCAAATGGAATTTTTAATGGAAACCATTTATCAGATTAATCTCTTGCTCTCCTGCATTTTAGAGGA
CACCAATTAATTTCTGGTCTTTAGTATATAATAACCTAAAAATACCATTGTAACCTCAGTCATGAAAAATACATC
ACTCTGTCTTTTAGCTCAAATGTATTTTCTAATTGCCCACTTGAGAACAGACATTTGACAAGTTATATCAACG
ACTGTGCTTGTCCATTATTTTACACATGCCCTAGAAGCCAAAACCTGAAAGCCACTGGATCCTGGTCTAGCTGAAT
CTTCAGAGTGGGAGGTCTCCAAAAGATATTACCTTATTGGGCTTAACAATTACAAAGGCACTTTACACCCATT
ATCTAATTTAATCCTCATAATGACTATGTGAGGCAATGCCACATTGCCCATTTTTCAGATAAAGAAACAAAATC
TTAGGGAAGATAAGTTGAGTTGTCCAAGAGCACACTGAAAGTTGAATGTTATCTAATGCATTCTCTACCTTTCA
GAAGATCAGTAGCTGGCTGAGAATCTTTGCCAAATCTTCCTTGCTAGCCAGAAGTGAATTTGGCAGCTTCTAGAA
TATGTACACCTCTGGACAAAATGTTCTCAATCTTAAGATACAAAGACCCTCATTGTCTGGGTCTATTCCACAC
TTACTGAGTACAGATGAAGGAAAGTGGTAGCAATTTAATCATAACTTTTCAATTGTCTGAAAAACATTATGAGAAG
CCTCCCTTCTAAGCCACCTCTGGTCTTGTCTAAGTCTTGATCTTGCTTCCTGCCAGCACCAACATTACATTCAG
GGGATTTCTCTGGCTCAGTCTTTTCCCTTGAAGTTCTCTAATAGATGTTACTTTTGACAAAAGATCGCCTATG
AGTTACAAGCACCAGGGGATGCTCTACATCAAGGGATGCACCTTCAGTCAAACGTGCAAAAAGGCCAGAAATCCC
AAAGGCATTAGGTTTCCCACTGCTTTGTGCTGATATCAGAACAGCAGAAATTAAATGTGAAATGTTTCTGATGA
CTTATGTTCTACAATCTATGGACATACGGGATTTTTTTTTTCTTGCTTTGAAGCTACCTGGATATTTCTATTTGA
AATAAAATTGTTTCGGTCATTGTT

1191/2825
FIGURE 1057

MQPEGAEKGSFKQRLVLKSSLAKETLSEFLGTFILIVLGCGCVAQAILSRGRFGGVITINVGF SMAVAMAIYVA
GGVSGGHINPAVSLAMCLFGRMKWFKLPFYVGAQFLGAFVGAATVFGIYYDGLMŞFAGGKLLIVGENATAHIFAT
YPAPYLSLANAFADQVVATMILLIIVFAIFDSRNLGAPRGLEPIAIGLLIIVIASLGLNSGCAMNPARDLSPRL
FTALAGWGF EVFRAGNNFWWIPVVGPLVGAVIGGLIYVLVIEIHHPEPDSVFKAEQSEDKPEKYELSVIM

1192/2825
FIGURE 1058A

CGGGGAGCCGGCGGTTATCTGGGCGGCGGAGCGCTCACAATGTGGCAGGAGACAGAAAAGATAAGATGCTCCCA
AGTCCCTTGCAGCTCTCTTCAGAAGAAAAATCACTAGTGCTCTGCTCTTGCCATAATACCAAACCTTTTGTACTC
ATGCTTTGGTGCTGCAACACTGGAAGAATTGCACACAGTTTCCAGGAATATCTTTTTTTCATTTGAGTGATTCTT
TGTGGATGAGAAAAGATTTGAGTCTTAATAATTACCTTGTTTTAAAGCTATTTCTTTATAGTCTGAACTGTTTAA
TAAATTGGGCCACTTACCA**ATG**AGCCACACAGCCAGTTCTTGTCAGGAGCTGGTTGAAAAGCTGTGCTGTGCATGT
AGCAGGAATGGCACAAGAAGATAGCCGTCGTGGTCAAGTGCCATCTTCCTTTTATCATGGTGCCAACCAAGAAGCT
TGACCTGTCCACCAAAGTGACAAAAGGGAATCAGGAAGTCCTTATTCTGTGTTAGTGAGACCAAGATGAGCAA
ACCGCATCTCCATGAAACAGAAGAAGAGCCATATTTTCAGGGAGACAAGAGCAGTGTCTGACGTGCATGCTGTTAA
GGAAGACCGGGAGAATTCTGATGACACAGAGGAGGAAGAGGAAGAAGTCTCTTACAAAAGGGAGCAGATCATAGT
GGAGGTAAACCTTAATAATCAAACATTAAATGTATCTAAAGGGGAAAAGGGTGTCTCTTCTCAGTCCAAAGAGAC
TCCTGTTCTTAAGACAAGCAGTGAGGAGGAAGAGGAAGAGAGTGAGGAAGAGGCCACAGATGACAGCAATGACTA
TGGAGAGAATGAAAAGCAGAAGAAAAAGGAGAAGATAGTAGAGAAAGTCAGCGTTACACAAAGGAGAACCAGGAG
AGCTGCCTCTGTTGCCGAGCTACCACTTCCCTACTCCAGAAGTACAAGAGGTCTGAGGAAGAGTGAGAGCC
ACCTAAGCGTAAGAAGCGGGCCACAAAGGAGGCCAAAGCACCAGTCCAGAAAGCTAAGTGTGAAGAGAAAAGAGAC
TCTGACCTGTGAGAAGTGCCCCAGGGTATTTAACACTCGCTGGTACCTGGAGAAGCACATGAACGTTACTCATAG
GCGCATGCAGATTTGTGATAAATGTGGCAAGAAGTTTGTCTGGAAAGTGAGCTGTCCCTTACCAGCAAAACAGA
CTGTGAAAAAAACATTCACTGTGTTTCTGTAAACAAATCGTTCAAGAACTCTGGTCCCTTCATGAACATATCAA
GATCGTCCATGGATATGCAGAAAAGAAATTTTCTGTGAAATTTGTGAGAAGAAATCTATACCATGGCTCATGT
GCGGAAACACATGGTTGCACACACAAAAGACATGCCATTTACATGCGAAACCTGTGGAATAICATTCAAACGCGAG
TATGTCACTCAAGGTGCACTCCTTGACGATTCTGGAGAGAAGCCCTTTAGATGCGAGAAGTGTGACGAAAGGTT
TCAGTACAAGTACCAGCTACGCTCCACATGAGCATTTCATATTGGGACAAAACAGTTTCATGTGCCAGTGGTGTGG
CAAGGATTTCAACATGAAGCAGTACTTCGACGAACACATGAAAACACACACTGGAGAGAAACCTTTATCTGTGA
AATCTGTGGCAAAAGCTTACCAGCCGCCCAACATGAAGAGACACCGCAGAACTCACACAGGCGAGAAGCCCTA
TCCATGTGATGTGTGTGGCCAGCGGTTCCGCTTCTCGAACATGCTTAAGGCCCAAGGAGAAGTGCTTTCCGGT
GACCAGCCCCGTGAATGTGCCACCTGCTGTCCAGATCCCACTTACAACTTCCCCAGCCACCCAGTTCCCTTCTGT
GGTGAACACAGCCACAACCCCAACCCCTCCAATCAATATGAATCCTGTAAGCACTCTTCCCCCTCGGCCCATCCC
CCACCCCTTCTCACACCTGCACATCCACCACACCCCTCACCACCCACACCACCTTCCCATCCCTCCAGTCCCTCA
CCTCCCCGCCACCTCCAGCTCTCTTTAAGAGTGAGCCTTTAAATCATAGAGGCCAGAGTGAGGACAACCTTCTGCG
GCACCTGGCAGAGAAGAACAGTTTCAGCACAGCATCAT**TAA**CATCCGTCTCCTTAGTGTGTTCTCCAGGAGACACG
TCCCCATGTGTGAGCGTGCACAGAGGGAGTGGTGAGCATTTCCTTAGTCTCAGACTCTCCTCCGCCTCTACCA
AGAGCTTCGCCAGTGTCACTGAATCAACAGATCCAAGGGAATGAACAAGAAGACTACCTTGAGCTCACAGAGGGA
CTGTCTATCTAAACCAGGGGAACCACTGAACATAAGCCCAATTTGCTTGCAATTTTCTGATGACTTTTATAAGTTTC
AAATACTCAGACTTGTGGAATTTTATAATTTTCATATCAGCTGATGAGGTATGCTTGCTTTTATATCCCAGACTTC
TCCTCAAAGAGGGGATAGGCCTGGTTTCCTTTGTACTAATCGGGAAGGCTGTGAGATTAATCCAGAGCATTAATT
GTATCACTGTGTATGGTAAGGAATCTTTTCAGCTTTTGGTGCCAGCTACAGAGTTGAGCTGGCCATGTTTCACA
GTATATCAAGCATTATAGAGAAAGACAGAAATTTTCTTCTTTGTGTAGCTCTCCTAACGCACTCTTTATTTTACT
ACAGAAATTATTTTAGAGTTTTTGTATAGACTTCTTTGGTAGTCTGTTTCTAAAATGAAATGTATTTCAATAAGC
AGTGTAATTTTTTCAGTGTAGCTGAACCTATGTTGTAAAATAGAAAAAAATTTTTATAATCATCAAAATGTGATT
CTTAAAGATGCATATAACTTCTATAATTCAAAGCTATTCTTACATCCGTACAACTCAAAGGTGCTTCAGAGACT
AGATGTATCTGAGAGGGTCTCCAGACCAGGTTACTGCAAAAATGAGGTTTTGCTTTTCAGGATTTGGCGTAAATAC
TTGGTAGTTTTGACATCTCTGCTTAACACTCAAGAGAGGCTCCCTAATGTGCTCCTGTCTCCATGTTCTGCTTG
GCTTCGTTAGTGCATTACATGAAATGATTTGCAGGGGATGGGGCCTTTTCCAGGGAAGTCACCTAAAGCTTGCAT
GTTTTGAAAATTTGAATAAGGCTGTTTGTGACAGGAGGAGGAAGTAGTGAGATCATTTTCATCTCAGTCACGTC
TGTTTCTCACTTCCCTTAGGAATTGTGTTGATGTTTAACTTTTTATGGGATGACAAATTGAAATCGCTCATTTTGA
GGTTGCTTTATTTTTCTAGAATTGTTATAAGAAGCTAAAATAGTAACTTAAAATCACAAACATGACATTGCTGA
TAGTGGCTGAGAAATTCAGATGAGAAGACAAATTGGTTATGAATTTTGAATATCTATTATATGTAATGTGGA
TATGTTACAACCTTGAGCTATTTTAACACAGTTTAAATATAGTGAGGGAAAACCTCCTAAGTTTTACTGCCCTGT
CCTCTGCAATTATGTAATACCAGCATTCTTAGGCGATAAAGAGAGCAGCACCTCTAGTACCTTTAGGCAGATTA

1193/2825
FIGURE 1058B

CTTTTTCAAGTTTGGGGAACCTTCAAAAGACCATAATCAACCAGGAGCTTATTATAGGAAAGGCTGAACAGAAGGG
CTAGTGTATTGATTACACTTAACAGATCATATTTATCCAGACTCAGTATAGCTTAAATTTTTGTATTTCTTTATC
TGAGAGAACTGAGTTCCCAGGCTAAATCACTTACCTCCCACCCCTCTCCAATTTTTTTTTTAAGAGACAAGGTC
TTGCTATGTTGCCAGGCTAGAGTGCAGTGGCTATTACAGGTGCAGTTATAGCACACTACAGCCTCCAACCTCTT
GGGTTCAGCAACCCTGCCTCAGCTAACCAAGTAGCTGGGACTACAGGTGCATGCTACCATGCCCAGTCCATTTT
TTAATCTTGAAATTTCTTCATTTTTCTTTCTTCGGTTTCTTAAATCTTTGCCTGAATCAGAACGCTGGCTTTTA
TTTATTTTTTTTATTTTTAATATTAAATGTGCAGATATGCTTCGAGCACTTTTCTAATAATGAGCTCTGTGGTAA
GAAAAATGAACTCTTTCAATTGAGATTAAGTCCATATTTTTCAAACATCACGTTCTCTATTGGCTTTTTGGTTT
AGTGTCTTCAAATTTCTCCTTCTGATTTTGCTGTCTTATATAATGAGCATAGGAAAATTTTGAATGAGGCAG
AAAAGTATATCAAGACATACTTCCTGGTTTTGGATGTAAGTTTTAAAGAATGGTATTTTTAATATTTGTACACAT
TCTTTGAGCACCCAGGTACCCAAGCCAATAAGGAAAGTTAATTCCTTGATATGACTGTTATATCTTTAGTGGTT
GTCTCCCTCTCCCTCCACAGTCTCCTTGGCATTCCATGACAAGTTTGTCAACCTACACTTTTATATAGACATGTC
ATTATTTTCATGGTCAAGCCTGTAGTATTAAAATGATTTTTTTTAAAGATGTAACTGTGCTTAGTTAATTGGTTA
TATTTTGTCTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAGGCAGAGTCTTGTTCTGTTGCCTGGGCTGGAGTG
CAGTGGCGTGATCTTGGCTCACTGCAACCCCCGCCCCCGGGTTCAAGTGATTCTCCTGCCTCAGCCTCCCGAGT
AGCTGGAATTACAGGCATGCGCCAGCACGCCCGGCTAAGTTTTGTATTTTGGCAGAGATGGGGTTTCACCATAT
TGGCCAGGCTGGTCTCAAACCTCTGACCTTGTGATCCGCCCACCTCAGCCTCCGAAAGTGCTGGGATTACAGGCG
TGAGCCACCACGTCCAACCTGCCTTATTTTGTCTGAATAAAATTTACAGTATTGGGCAGCAATTCTGGATTCTAGA
CTTGAGACCACAGAATCAACCATTTTCATGAGGTTGTACTGTAATTATACACTGGAATATTCAGGTAGTCATCTTT
GATTTTTTCATTCAAGTAAATATAGCCATAAGAAAATATCTGCTATACAGGAAAACCAGTATTAAGCAAATACCAC
CATCCTTAACAGAAACAAAAATATATATATATATTATTTTTTAAAAATTAGCATTGTCATACAGTACAATTCTTAG
TGAAGTGTATTGTGGAACAATTTAGAACTTCCTTTTTTTCCCCTAGATTAAGGATACTTTCTTTGACTTGAGAC
TTGTGGTCTTCAGGAAAACCTACTCAGAATATAATGACTCCTCATCAGTATCATATTGTATATAAATAATGAAATG
CATTAGAATATTCACAACATTGAACCCAGGAGGCGGAGCTTGCAGTGAGCCGAGATTGCGCCACTGCGCTCCAG
CCTGGGCAACAGAGCGAGACTCCATCTC

1194/2825

FIGURE 1059

MSHTASSCQELVENC AVHVAGMAQEDSRRGQVPSSFYHGANQELDLSTKVYKRESGSPYSVLVDTKMSKPHLHET
EEQPYFRETRAVSDVHAVKEDRENSDDTEEEEEEEVSYKREQIIVEVNLNNQTLNVSKGEKGVSSQSKETPVLKTS
SEEEEEEESEEEATDDSDNDYGENEKQKKKEKIVEKVSVTQRRTRRAASVAAATTSPTRTTGRRKSV EPPKRKKR
ATKEPKAPVQKAKCEEKETLTCEKCPRVFNTRWYLEKHMNVTHRRMQICDKCGKKFVLESELSLHQQTDC EKNIQ
CVSCNKSFKKLWSLHEHIKIVHGYAEKKFSCEICEKKFYTMAHVRKHMVAHTKDMPTTCETCGKSFKRSMSLVH
SLQHSGEKPPFCENC DERFQYKYQLRSHMSIHGHKQFMCQWCGKDFNMKQYFDEHMKTHTG EKPFICEICGKSF
TSRPNMKRHRRTHTG EKPPCDVCGQRFRFSNMLKAHKEKCFRVTSPVNVPPAVQIPLTTSPATPVPSVNTATT
PTPPINMNPVSTLPPRP IHPF SHLHIHPHPHHPHLP IPPVPHLPPPPALFKSEPLNHRGQSEDNFLRH LAEKN
SSAQHH

1195/2825
FIGURE 1060A

GCGGGGCACTTTGAAGAATCACGTGTGTTGAGGCCCTCTTAAAGAGATAGGCACCTACTTTTCCCTCCACCCTAA
ACACCGCCCTGAGGGCGGGCGGCGACCGTGGAATTGCAACTGCTCAGGGGCAGGGCTTGCCCCAGCGCCGAGTAG
TGGCAACGGCGTGTTGCGTCGGGGGTGCCTGGGAGCCTGGAGTCCCGGGGGCCTGAAATCGGCAGCTTCCCGGG
CAGACACTCTCTCCCTCAGGAAGAGGTGCCGCCGAGTCAGCGCGGGGCAGTGTGAGCGCCCCGAGGTGCTTTCTC
AGTTGAGGAGAGGTGGGGTTACAGGGGCACAGGTGACAGGGCCGGAGAAAGATGAGCAGCCCCGGGGCGGCGGCGT
CGGGAGCGGGAGGCGGCAGCGAGGAACCCGTGGGGGCCGGAGCAACAAGCGGAGCGCGGGGAACCGGGCCGCCA
ATGAAGAGGAAACGAAAAACAACCCAAATTGAACATTCAAATAAAAACTTTGGCAGATGATGTGCGTGACCGAA
TTACAAGTTTTAGAAAATCTACTGTCAAAAAAGAAAAACCTCTTATTCAACATCCTATTGATTCTCAAGTCGCGA
TGAGTGAGTTTTCTGCAGCTCAGCCATTATATGATGAACGATCTTTGAATTTGTCAGAAAAGGAAGTATTGGATC
TCTTTGAAAAAATGATGGAGGACATGAACCTTAACGAAGAGAAAAAGCTCCTTTACGAAACAAAGACTTTACCA
CCAAACGTGAGATGGTTGTCCAGTATATTTCTGCCACTGCCAAATCTGGTGGGCTGAAAAACAGCAAAACATGAAT
GCACCTGTCTTCACAAGAATATGTTTCATGAATTACGATCGGGTATATCAGATGAGAACTTCTTAATTGCCTAG
AATCCCTCAGGGTTTTCTTTAACAGCAATCCGGTCAGCTGGGTAAACAACCTTTGGCCATGAAGGTCTTGACTCT
TATTGGATGAGCTGGAAAAGCTTCTGGACAAAAAACAGCAAGAAAATATTGACAAGAAGAATCAGTATAAACTTA
TTCAATGCCTCAAAGCATTATGAATAATAAGTTTGGATTACAAAGGATTCTAGGAGATGAAAGAAGTCTTTTAC
TATTGGCAAGAGCAATTGACCCCAAACAACCCAAACATGATGACTGAAATAGTAAAAATACTTTCTGCTATTTGCA
TTGTTGGAGAAGAGAACATTCTAGATAAACTTTTAGGGGCTATAACAACAGCAGCAGAAAAGAAAATAACAGGGAAC
GATTTTACCAATTGTGGAAGGTTTAGAAAATCAGGAAGCCTTGCAATTACAGGTGGCCTGCATGCAGTTTATAA
ATGCCCTTGTCACCTCTCCTTATGAGCTTGATTTTCGAATACATTTAAGGAATGAATTCCTCCGTTACAGGACTAA
AAACAATGTTACCAGATCTAAAAGAAAAAGAGAATGATGAGCTTGATATTCAGTTGAAAGTATTTGATGAAAACA
AAGAAGATGACCTAATGAATTATCACACCGTCTCAATGACATTCGAGCAGAAATGGATGATATGAATGAAGTCT
ACCATCTTCTATATAATATGCTGAAGGACACTGCTGCTGAAAATTACTTCTTATCTATTCTACAACATTTTTTGC
TTATCAGAAAATGATTATTATATCAGGCCACAATATTATAAAATAATTGAGGAATGTGTTTCACAGATAGTGCTAC
ACTGCAGTGGTATGGATCCAGACTTCAAATACAGGCCAAAGATTAGACATCGATTTAACTCATCTGATAGATTCTT
GTGTGAACAAGGCGAAAGTTGAAGAAAGTGAACAAAAAGCTGCAGAGTTTTCAAAGAAGTTCGATGAAGAATTCA
CAGCTCGACAGGAAGCTCAAGCAGAGCTTCAAAAAAGAGATGAGAAAATCAAAGAAGTTGAAGCAGAAATCCAGC
AACTTCGAACCCAGGCACAAGTACTCTCAAGTTCATCAGGAATTCAGGTCTCTCTGCAGCACCTCCATTGCCAG
GTGTAGGGCCGCTCCACCACCACCCGCGCCACCTCTACCCGGAGGAGCTCCTCTTCTCTCCACCACCTCCTT
TACCTGGAATGATGGGGATACCACCACCACCCACCACCTTTTATTGGGGGACCTCCTCCACCACCACCCC
TTGGAGGAGTTCCTCTCCCCAGGAATATCACTTAATCTACCTTATGGAATGAAGCAGAAAAAATGTATAAAC
CTGAAGTGTCATGAAGAGAATCAATTGGTCAAAGATTGAACCCACAGAATTATCTGAGAACTGTTTCTGGTTAA
GAGTCAAAGAAGACAAGTTTGAGAATCCAGATCTCTTTGCCAAATTGGCATTGAATTTTGCTACTCAGATAAAAG
TTCAAAGAAGCAGAGAAGCATTAGAAGAAAAGAAGACTGGGCTACAAAGAAGAAAGTGAAGAAGTGAAGAAATTT
TGGATCCCCAAACAGCTCAGAATCTGTCCATCTTTCTGGGATCATATCGCATGCCATATGAAGACATAAGAAACG
TTATTCTGGAGGTTAATGAAGACATGCTGAGTGAGGCTTTAATTCAGAACCTTGTGAAACATCTTCTGAGCAGA
AGATACTCAACGAATTAGCAGAGCTTAAGAATGAATATGATGACCTCTGTGAGCCTGAACAATTTGGAGTTGTGA
TGAGCTCTGTGAAAAATGTTACAGCCTCGTCTCAGTAGTATCCTGTTCAAGCTCACATTTGAAGAACACATAAAACA
ACATCAAACCAAGCATCATAGCAGTAACTCTTGCTGTGAAGAACTGAAGAAAAGTGAAGCTTTAACAGACTTT
TAGAGTTAGTTCTTCTTGTGGAACTACATGAACTCAGGCTCAAGAAATGCCAGTCTTTGGGATTTAAGATCA
ACTTCTTTGTAAAGATCAGAGATACTAAATCAGCGGATCAAAAAACAACCCCTTTTGCAATTTATTGCCGACATTT
GTGAGGAAAAATATCGAGATATCCTAAAATTTCTGAAGAACTGGAACACGTAGAAAAGTGCAAGCAAAGTTTCAG
CTCAAATTTCTCAAGAGCAACCTTGATCAATGGAACAACAAATTGTTTCATCTGGAACGTGACATCAAGAAATTCC
CCCAAGCAGAAAAATCAACACGATAAGTTTGTGGAAAAGATGACCAGCTTTACAAAGACTGCCCGAGAACAGTATG
AAAAACTCTCCACCATGCACAACAACATGATGAAGCTCTATGAGAATCTTGGAGAATACTTCATTTTTGACTCAA
AGACAGTGAGCATAGAAGAGTTCTTTGGTGATCTCAACAACCTCCGAACCTTGTGTTTGGGAAGCAGTGAGAGAAA
ACAATAAGAGAAGAGAAATGGAAGAGAAGACCAGGAGGGCAAACTTGCAAAAGAGAAAGCTGAACAAGAAAAGT
TAGAACGCCAGAAGAAAAAGAAACAACCTCATTGATATAAAACAAGAGGGTGATGAGACTGGTGTGATGGATAATC
TTCTAGAAGCCCTACAATCAGGTGCAGCATTCAGAGACCGTCGAAAGCGGATTCCAAGGAATCCAGATAACAGAC

1196/2825
FIGURE 1060B

GAGTACCTTTGGAAAGGTCACGCTCTCGCCACAATGGAGCTATCTCATCTAAGTGATTTCCTGATGCCAAAGAATA
TGAAAAATATTTAAGTAAAAACAAAATGATGCATTTTGAGAAGAACAAAGTGTGCACTCAGCGGCTGGAAAGGAAA
TAAGTGCATTTCTGCAAAGATCAAGATAAGCTGGATGAAGTAGTGTGCATTTGTAACTACTATTGCAAGACTCCTC
CCACAATTATTTCTAATCTGAACACAGTTATCAGGATTACAAAATGTGTTCCATTTTAGTGTAAGATGTGTATCA
TTTGTAAATGTGTGTGACCTGACTGTGATGATGGAAGTGTAAAGAAATTGAAGAGTTCTAAGGCTTTCAAAAACAC
TCAGTCAAAAATTTAAAATCTTAAATGTGTAAGTCACCCCCACCAAAAACAAAAGAGAAGAAAAAGAATAGAAAG
AATTATCCAGTGTGAGCTTCCAATCCCTAGTACATATATAATAGAAAAGGGCCAAGAAAAATATGCATCTTGATT
TGGAGAGAGGCTAATATTATGCACACTGTAAGAGAAGCCATTTTGGAAATTCACGAAAGTACTGCTCCACCCCAG
TTGAGTTATTTAGAATTTTATCTCAAGTGAAAGCTGATGGATTATCTGCTTTGGCTGAAATTAACCTTATCATT
AGTCTAGCTAGCATTTTTCAGCATGATATTGCAAGCACTTCTCATTGCTAAAAATAAATAAACCAAAGTTTAACCGA
ATCAGTTAGGGAAAGTGATTTAACTTTATTTAAAGAGGTATTTTCTAATTATGCACAGATATCTACTTTATACA
AATACTTTATATGGCTATTTTGGAGAAAACCTTCACATTTTAAATGTTTATGCTAGGGATGAACCTGGAAAAATTCT
ATTACGTTTATTTAGATTTCAAAGGCAAATATTGATTCCCTATGCTCTGTGGTTTATTTCTTTTTCTATTGCTTC
TTTCTCCCTTGAGTCCCTTGAAGGCAGGGAAATAGACTTCTAGAAAACCTGAGAGGAAAAAGAATTCTTTTTTACA
GGAGGCAGCAGAAAACCTGTCTGAAAGGTCAATTGTTTTATCTCCCTTTCCACTCTCTTTCCAATTTCACTTTGGT
GGTCTGAAGAAGAAAAAGAAATTTTATGTATGTATGTGTAAATATGTGTATATATTTCTATCTCTTGCTACAATA
ATTCCAACCTAAGTGAACCTTCTTCTCAATTATCATCATACTTACTTACCTTATATTAACAAATTAAGATGATGCTG
CCAAAAACAAGTCTAGCAGGGAAAACAGGTTCTACATTTTTCTTAAATAAATTAGGGAGTAAAAGTTATACTTAAC
TTGTCTGTCTATTATTTTAAAATATGCATTGAAATAATGTGGTATAACTTCTCTGGAGTGCAATTTTAAAGTCTAA
TTCATGCAGATGATTGATTGTGATTATTGTAAGAAATTTCTTACATGTATATTTCTTATGTTAGAAAATACTGTT
TCTACTCATTCAAAGCACATTGTAGATATTAGAGAGAAGAACAATGGCTGGCTTGGCAAATCCCCATCTGAGA
TAAAGTAAACAAGTGACCAGCAGCCACAGATAATTCCTTTATATAGATGTATAATGATTCAAACCTGCTGCCTTT
GCCTCCAGTGCATCCTTACTTAGGTATTATACTTCTTTAAAAAGCTCTGAAGCTGCTACAATAGAAAAATCAAAA
AGGGTAACAGTATCTGAAATTTACAGTCCTATCCGATCTGAAAACACACATACACAAATGCACACACATGCACA
CACACATTTCAAGGACATAGCAGTAACACTGTTTTTTAACAACAACAAAAGTTTAGGTTCTAATTTATGTAAATA
CCTAGTATGTGATTTTTGACTTTACAAAGTCTTTCTTTCTGAAATCTTCGTGGTATGGCTTTTTTAATCTTT
TGACAGCTTATCAGTCTGTAGGAGAATGATCTTGAAATGTTAACCTGACTAAAATTTGGGAGCATATGCCTTGC
TATATTATCAAGCTGGTCAAGGTAGAAATACTGATATGTATCATCACCTTTTCCAGATACAACTTGCCTTATTT
TCTAGTTTGTGAACAAGAACGAATGAAGTACTATTATGATACTTACTTATATATTTTTATTTAGAGCAATCCC
ACATGCTTTTCACAAACATTAAAAAACAACCTTTTCAAGGTCCTTCATGAAGTTCCAATAGTTGAGTGAGTTAA
AAGGTTTGTTCAGATTGTGAATGGTCTGCTCTAGCCATTTGCAGTTTGTGTTTAGATGATTGGAAAGTATA
TCACCAAAAAAGTATATAGTGACATTTTTTAGTATGAAACCAAATTACACTAAGGTCTTTTGTGGCCATATTAC
TGCCACACATGAGAAGCACCATTTATGCAGATTTTCTTCAGAATATTTTAAAAGGTACAGAATCCTTAAAAATAT
TAACAACCTAATTGCATCCATTATCTCCTTTGGCTGCTGTAACAAATTACCACCAATAATATGATGGCTTAACACA
ACAGAACTTATTTGCTTACATTTTTGAAGGGCAGCAAAGCCATGGCTCCCTCCAGAGGCTCTAGAGGAGAATCT
TTCCTTGCCACGTCCACCTTTTGGTGGCTATTGGCATTTTTTGGCTTATGGCCACATTTCTCTTTCTGCTGTGTC
TTCACATCACCTCCTCTGTATACCTAATCTGCCTCTGCCTCTGTTTAAATAAGGATCCTTATGATGACTTTTTAGG
GACTACCCAGATTACTCCAGGATAATCTCCTCACCTCATGAGTCTTAACCTAATTACATCTGCAAGGCCCCCTTC
TCCAAATAAGATAAATTCATGGTTTTTGGGGATTAGGATGTGGCTATGTCTTTTAGGAAGCCACTCTTAGCCCCACC
AGAGTCTGCCCTTTGGCCCAAAATTTATGTCTGTCTCATGTGTAAAAGACATTCATCCCATCCTAACATTACCAA
AAGTCTCAACCCATTATATCAATCCTAAGTCCAAAATTTCAATTCAAATATCATCGGTTCAAAGTTCCAAAGCTT
ATCATTTAGATCATCTAAATCAGGTATGAGTGAAACTCTGGGTATGGTCTTTCTGAGGCCAAATCCTCTTCCTC
TGAGAACCAGTGAAACAGAAAAGTTAATCTGCTTTCAAATTACAATGGTGGGAACAGGCATAGGATAACAGTTAC
AGACATTTCTGTCTCAAAAAGGAGAGAATGGAATTTGGAATGGAGTCTCCTGTCCCAATCATTTTCAAATCTAG
CCAGGCAAATTTCTGTTCTATTTCAAGGCCTGGCAGTAATCCTCTTTCTCAGGGCTCCACCCTTTGGGCCTGTAG
CTCTTCTTTCTTGACTATGGATTGGGCCTCTGCCTCTGTGCCTATGGGTTGCACTTCTTCTCTGTTCCACAC
TTGGGCCTCTGCCTCTGTACCTGCAGCTCTGCTCTCGGGATGGTGCTTCCTTTATCTTGAAGGGTGGCACATGTT
TGCAGCTGAGAAGTTTTATCAACGGGTTTCTACCTGTAGAATTCTGGCAGTCTACAATCTTCTTTTCAATTTTTT

1197/2825
FIGURE 1060C

TCTGTCTCTGTCCCTTTTAGGCCCAGTTGGAAGTGTTTCTGATGGTAGAACATTCTCAAAAATCTTGTGGGTCTT
CTACGTATGTCACATTGATTCACACATTTCAGAAAAAGAGGGTCCTCACAGATTTTTTCTGAACAACCCCATCTCTA
TTCTTGGCTTCTGTTGAAACAGTCAAATAAATCCACAAGTTAATGCCTAACCTCTTCAGCACTAGCCAAAGGTTG
TCAAGACACACCCTTGGGCTTATCTACAGAGCACACTTTTCTAACAGTGAATCTCCTAATTTTAGCATCTTTTTT
TTTTTTTTTACAATCATTCCAGATTGTGAATTCAGGCTCAGAATTACCCAGTCATCAGATACTGATTCCTTTTGT
CCACTTATATAGTTATTTTTCTCTTTAAAAAAAATTTTTTTAATGTATTAGAGATGAGGTCTCACTCTGTCACC
CAGGCTGCAGTGTAGTGGTGCAAACATAGCTCCCTGTAACCTCAAACCTCCAGGCTCAAGGGATCCTCCTGCATC
AGCCTTCCAAGTAGCTGGGTCTACAGGTGCATACCACCATGCCTGGCTAATTTTTTGCATTTTTTTGTAGAGACT
TGATCTTGCTATGTTGTCCAGGCTGCTCTCGAACTCCTAGCCTCAAGCAATCCACCCATCTTGGCCTCCTAAAGT
GCCGGATTACAGGTGTAAGCCACCATGCCCAGCCTGTTTTGTCAATGTATCTGTTTTCTGTCTTATTTTACTATA
AGCACTAAGAAGAACTAAGCTATATCTCTAACACTAGACTTGAAAATTTCTCAGCTAAACATCCAAGTTCATC
ATTTATTCAACTTTTTCACACTACTGTAGTAGACAATTTAGATAGATAAACTTTTTGCCACTATATGACAAGGATT
CCCTTCTTCCATTTTCCAATAAAATCTTCATTTCTTCTAAACCATCACTAGAAATGCCTTTAACATTCATACT
ACTACCATCTGGTAAAGGCAATCTAGTTTTTCTATCACATCCACCAAAATTCTTCTAGTCTCTACCCATTATCC
AATTCCAAAGCCTTTTTTACATTTTAAGACATTTGTTACAGAAGTACCCAATCCGTCCAGTTCCACAATCTGCA
TTAGATTCCCATGGCTGCTGTAACAAATTACCCTCTAGCCCAGTGGCTTAAAACAATAGAAATTTATTATCTTGT
TGTTTTGGAGGCCAAAAGTCCAAAATTGAGGGGTGGCAGGGCTGAACGTCTTCTGGAGACTCTAAGGGAAACAC
TCTTCCCGTGTCTTCCAGTTTCTTGTGGCTGCCATCATTCTTGGTTTGTGACTGCATCTCCCTCTCCTCTGTCT
TCACATCACTTCCCCTCTGTATATATAATCTACCTCTGCCTCTCTCTTATAAGGACACTTGTGACGGGACTTAGG
GCCCATCCAGATTACCCATGATAATTCCCTTATTCCAAGATTCTTAATTATATCTGAAAGGACCTTTTTTCCAAA
TAAGGTACTATCACAGGTTCCAGGGAGTAGGATATTGAATATCTTTTTTGGGGAGGGGGCACCATGCAGCTCACT
ACACTATTCAATTGCACACAAATGAATTTTTCACTTTTTAAGATGCATTCTTGGTGCTCAAACCAGATCGAAGTTT
GTCTCTAAAAGCTATTGTCTGCACAGGCTGCTGCATGCTCTGTTGTTAAATGGATGGACAGGCTATTCTAAATTT
TGGTTGATACTTTTGTACTATGGGCAATTAACCTGAAAAAATAATCGATCCCAACTCTGTGCTCTGATGTACC
TCTTCTGCCCCTTTTATGACACCTTTGACCAAATGCCTTCTATGGTTCACAGTGCAGGCACAAAACCTACCTCTGA
TACAGAAGGGTTCTTTACAAGCTTATTTTACATACCGTGAATCCCTCACCTAAAGGGAGAGGTGAAAGCAAAGAC
TGCTTTGAATGGGTATTGAGGGAGATTGTGTCCATACCAAGCCACCCTGAAGAAGTATTTCACTTGCAGTAGAAC
TGTGGATTTGTGCTGTCAATTTACCTTGGAATAAACACCTATCTCTAAGCAGGACCAAGAATGACTTGCAATCTA
TATGTAATGGCTACTTACTTATTCAATAAAGTTAAGATATACGT

1198/2825
FIGURE 1061

MEQPGAAASGAGGGSEEPGGGRSNKRSAGNRAANEEETKNKPKLNIQIKTLADDVRDRITSFRKSTVKKEKPLIQ
HPIDSQVAMSEFPAAQPLYDERSLNLSEKEVLDLFEKMEDMNLNEEKKAPLRNKDFTTKREMVVQYISATAKSG
GLKNSKHECTLSSQEYVHELRSGLSDEKLLNCLLESRLVSLTSNPVSWVNNFGHEGLGLLLLDELEKLLDKKQQENI
DKKNQYKLIQCLKAFMNNKFGQLQRILGDERSLLLLARAIDPKQPNMTEIVKILSAICIVGEENILDKLLGAITT
AAERNNRERFSPIVEGLENQEALQLQVACMQFINALVTSPYELDFRIHLRNEFLRSGLKTMLPDLKEKENDELDI
QLKVF DENKEDDLTEL SHRLNDIRAEMDDMNEVYHLLYNMLKDTAAENYFLSILQHFLLRNDYYIRPQYYKIE
ECVSQIVLHCSGMDPDFKYRQRLDIDLTHLIDSCVNKAKVEESEQKAAEF SKKFDEEFTARQEAQAELQKRDEKI
KELEAEIQQLRTQAQVLSSSSGIPGPPAAPPLPGVGPPPPPPAPPLPGGAPLPPPPPLPGMMGIPPPPPPLLF
GGPPPPPLGGVPPPPGISLNLPGMKQKKMYKPEVSMKRINWSKIEPTELSENCFWLRVKEDKFENPDLFAKLA
LNFATQIKVQKNAEAL EKKTGPTKKKV KELRILDPKTAQNLSIFLGSYRMPYEDIRNVILEVNEDMLSEALIQN
LVKHLPEQKILNELAELKNEYDDLCEPEQFGVVMSSVKMLQPRSSILFKLT FEEHINNIPSI IAVTLACEELK
KSESFNRLL ELVLLVGNMNSGSRNAQSLGFKINFLCKIRDTSADQKTLLHFIADICEEKYRDILKFPEELEH
VESASKVSAQILKSNLASMEQQIVHLERDIKKFPQAEHQHDKFVEKMTSFTKTAREQYEKLSTMHNNMMKLYENL
GEYFIFDSKTVSIEEFFGDLNNFRTLFL EAVRENNKRREMEEKTRAKLAKEKAEQEKLERQKKKKQLIDINKEG
DETGVMDNLLEALQSGAAFRDRRKRI PRNPDNRRVPLERSRSRHNGAISSK

1199/2825
FIGURE 1062

GGCACGAGGAGCGTTTCGTTTGGACTTCTCGACTTGAGTGCCCGCCTCCTTCGCCGCCGCCTCTGCAGTCCTCAG
CGCAGTTATGCCCAGTTCTTCCCGCTGTGGGGACACGACCACGGAGGAATCCTTGCTTCAGGGACTCGGGACCCCT
GCTGGACCCCTTCCTCGGGTTTAGGGGATGTGGGGACCAGGAGAAAGTCAGGATCCCTAAGAGTCTTCCCTGCCT
GGATGGATGAGTGGCTTCTTCTCCACCTAGATTCTTTCCACAGGAGCCAGCATACTTCCTGAACATGGAGAGTGT
TGTTCCGCCGCTGCCCATTCTTATCCCGAGTCCCCCAGGCCTTTCTGCAGAAAGCAGGCAAATCTCTGTTGTTCTA
TGCCCAAAACTGCCCCAAGATGATGGAAGTTGGGGCCAAGCCAGCCCTCGGGCATTGTCCACTGCAGCAGTACA
CTACCAACAGATCAAAGAAACCCCTCCGGCCAGTGAGAAAGACAAAAGTCTAAGGCCAAGGTCCAACAGACTCC
TGATGGATCCCAGCAGAGTCCAGATGGCACACAGCTTCCGTCTGGACACCCCTTGCCCTGCCACAAGCCAGGGCAC
TGCAAGCAAATGCCCTTTCTTGGCAGCACAGATGAATCAGAGAGGCAGCAGTGTCTTCTGCAAAGCCAGTCTTGA
GCTTCAGGAGGATGTGCAGGAAATGAATGCCGTGAGGAAAGAGGTTGCTGAAACCTCAGCAGGCCCCAGTGTGGT
TAGTGTGAAAACCGATGGAGGGGATCCAGTGGACTGCTGAAGAACTTCCAGGACATTATGCAAAAGCAAAGACC
AGAAAGAGTGTCTCATCTTCTTCAAGATAACTTGCCAAAATCTGTTTCCACTTTTCAGTATGATCGTTTCTTTGA
GAAAAAAATTGATGAGAAAAAGAATGACCACACCTATCGAGTTTTTAAACTGTGAACCGGCGAGCACACATCTT
CCCCATGGCAGATGACTATTAGACTCCCTCATCACCAAAAAGCAAGTGTGAGTCTGGTGCAGTAATGACTACCT
AGGAATGAGTCGCCACCCACGGGTGTGTGGGGCAGTTATGGACACTTTGAAACAACATGGTGTCTGGGGCAGGTGG
TACTAGAAATATTTCTGGAAGTAGTAAATTCCATGTGGACTTAGAGCGGGAGCTGGCAGACCTCCATGGGAAAGA
TGCCGCACTCTTGTTTTCTCGTGCTTTGTGGCCAATGACTCAACCCTCTTACCCTGGCTAAGATGATGCCAGG
CTGTGAGATTTACTCTGATTCTGGGAACCATGCCTCCATGATCCAAGGGATTGAAACAGCCGAGTGCCAAAGTA
CATCTTCCGCCACAATGATGTGAGCCACCTCAGAGAACTGCTGCAAAGATCTGACCCCTCAGTCCCCAAGATTGT
GGCATTTGAAACTGTCCATTCAATGGATGGGGCGGTGTGCCCACTGGAAGAGCTGTGTGATGTGGCCCATGAGTT
TGGAGCAATCACCTTCGTGGATGAGGTCCACGCAGTGGGGCTTTATGGGGCTCGAGGCGGAGGGATTGGGGATCG
GGATGGAGTCATGCCAAAAATGGACATCATTTCTGGAACACTTGGCAAAGCCTTTGGTTGTGTTGGAGGGTACAT
CGCCAGCACGAGTTCTCTGATTGACACCGTACGGTCCCTATGCTGCTGGCTTCATCTTACCACCTCTCTGCCACC
CATGCTGCTGGCTGGAGCCCTGGAGTCTGTGCGGATCCTGAAGAGCGCTGAGGGACGGGTGCTTCGCCGCCAGCA
CCAGCGCAACGTCAAACCTCATGAGACAGATGCTAATGGATGCCCGCCTCCCTGTTGTCCACTGCCCCAGCCACAT
CATCCCTGTGCGGGTTGCAGATGCTGCTAAAAACACAGAAGTCTGTGATGAACTAATGAGCAGACATAACATCTA
CGTGCAAGCAATCAATTACCCTACGGTGCCCCGGGGAGAAGAGCTCCTACGGATTGCCCCACCCCTCACCACAC
ACCCAGATGATGAACTACTTCCTTGAGAATCTGCTAGTCACATGGAAGCAAGTGGGGCTGGAAGTGAAGCCTCA
TTCTCAGCTGAGTGCAACTTCTGCAGGAGGCCACTGCATTTTGAAGTATGAGTGAAAGAGAGAAGTCCTATTT
CTCAGGCTTGAGCAAGTTGGTATCTGCTCAGGCCTGAGCATGACCTCAATTATTTCACTTAACCCAGGCCATTA
TCATATCCAGATGGTCTTCAGAGTTGTCTTTATATGTGAATTAAGTTATATTAAATTTTAATCTATAGTAAAAAC
ATAGTCCTGGAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

1200/2825
FIGURE 1063

MESVVRRCPFILSRVPQAFLOKAGKSLLFYAQNCPKMMEVGAKPAPRALSTAAVHYQQIKETPPASEKDKTAKAKV
QQTPDGSQQSPDGTQLPSGHPLPATSQGTASKCPFLAAQMNQRGSSVFCKASLELQEDVQEMNAVRKEVAETSAG
PSVVSVKTDGGDPSGLLKNFQDIMQKQRPERSHLLQDNLPKSVSTFQYDRFFEKKIDEKKNDHTYRVFKTVNRR
AHIFPMADDYSDSLITKKQVSVWCSDNYLGMSRHRPRVCGAVMDTLKQHGAGAGGTRNISGTSKFHVDLERELADL
HGKDAALLFSSCFVANDSTLFTLAKMMPGCEIYSDSGNHASMIQGIRNSRVPKYIFRHNDVSHLRELLQRS DPSV
PKIVAFETVHSMDGAVCPLEELCDVAHEFGAITFVDEVHAVGLYGARGGGIGDRDGVMPKMDIISGTLGKAFCV
GGYIASTSSLIDTVRSYAAGFIFTTSLPPMLLAGALESVRIKSAEGRVLRRQHQRNVKLMRQMLMDAGLPVVHC
PSHIIPVRVADAAKNTEVCDELMSRHNIYVQAINYPTVPRGEELLRIAPTPHHTPQMMNYFLENLLVTWKQVGLE
LKPSSAECNFCRRPLHFEVMSEREKSYFSGLSKLVSAQA

1201/2825
FIGURE 1064

GGCACGAGGGTTGACCCCTTGTGGCCAGAGAGGCTCCACCCGCCGGCACCTGCATTGCTAGGCAAGTCGCACGGCC
ATAGCTGTGGACTCTCTTGTGGCTGAGGAAGTATTGCCCCGTGTTGCTAGGGAGATGGCACCCCCGGCAACCAG
GAGTAGACTGCCCTTGTGTTTCTGACAGCTGCAGTCAGCCTTCCCCAGGGGCTTGGACTGCGGCTGGGGGAACA
GCCTGTTGATGTAAATGATGAACCTACTACTCCCTGCTAGGGTTGTCCCCTAGTCGTCACAACTGCCATTCTGTT
GTGGGGGTAGTGACACCCCCACGGGAATTTGTTACCACTGCCCTAATAACCGTGCCCTGACCTCCAGCTGCTAGA
GAGAGGATGTCCCCCTAGTAAAGCCAAGCAGGAATTGAAGGTTTTTCTAAATCTGCTCGGTCTCACTCCTAAAG
GATGGCTCCCCCTCCTGTCTCAGAGGCCACCAAGGCTTCATATGGGCCAGTGTTCCTCACTGCTGGGGCTGTGCA
CATGAGTGATGAGGGAGCCACTGTATTGCTAGAGGTGACACTTCTCCAATAATCACTGCGACCAGGAAAAAAGCC
CCTTCCTAAAAGCCTTTCTAAACATCCTAGGCATTGTTGCTAAGGAATGCCTTTTCTTAGCAACAAAGATCATG
GGGACCCCACTGGCGCCTGGAACATCTCCCTAGCAACCGTGAAGCACCTTGTTATTAGGGATGATAACCACAACCT
TCCCTGGCAACTGCAGTGTCCGACAATTTAGAAGGGACCATCCTTGGCGGCTTCTCTGAATATACTGAGTTTGGT
TGCTAAAGGACTCATAGCTTAGCAACCATAGCCCTTCAAGGCTTTTTCATGGCTGTGGCGGGCCCCATTAGGTACC
AAAAGAAGAAGAACCCCATTTGTCACTGAAGTGTACCAACCCAGCCACCCACCTTCTACCTACAGGCACCCCTCT
GGGCCACCCCTCCCTTGTGCTGCTTAGCAAGTCTGACAGCCAGAGGGCCATTGCCTGGCCAGGATCCCTTCTTAGC
ATCCGGGGCTGGGACACTAGCAGGCGTCGGGAGGGGGCTGGCTGAGCTGCATGCTGTCCCCACCCCTCATCCT
CCACCCCCCAGTCCGAGAAGGCGGCTTCTTGGAGTATGACTATGAGACCATCCGCAACATCGACTGCTACAGC
ACAGATTTCTGCGTGCGGGTGCGCGATGGCATGCGGTACTGGAACATGACGGTGCACTGGTGGCTGGCGCAGTAT
ATCTACAAGAGCGCACCTGCCCCTTCTATGTCTGCGGAGCGCCTGGACCATGCTGCTGAGCGCCTACTGGCAC
GGCCTCCACCCGGGCTACTACCTGAGCTTCTGACCATCCCGCTGTGCTGGCTGCGGAGGGCCGGCTGGAGTCA
GCCCTGCGGGGGCGGCTGAGCCCAGGGGGCCAGAAGGCCCTGGGACTGGGTGCACTGGTTTCTGAAGATGCGCGCC
TATGACTACATGTGCATGGGCTTCTGTGCTGCTCTCCTTGGCCGACACCCTTCGGTACTGGGCCTCCATCTACTTC
TGATCCACTTCTGCGCCTGGCAGCCCTGGGGCTGGGGCTGGCTTTAGGTGGGGGCGAGCCCCAGCCGGCGGAAG
GCAGCATCCCAGCCCACCAGCCTTGCCCCGAGAAGCTCCGGGAGGAGTAAGCTGTACGACGCTCCCTCTGCCA
GCTGGTCCCAGGAATTTCTGTGAACCAGGCTGCTGTCTCCTCCCAGAAAGAGTCCTTACCTTGGAGAGGGTCCCTG
GAGAGAATTTCTCTTCCCCAGCTAAATACCCTGCCTGCAACTGAAGCAGACCCGGGGGTGTCTCCCTGCCCTC
TGCCAGAGGGCCACCTCCACTCCTACAAAATCAAAGTATTGTCCAGACAAGAGTCACTGGCCCCCTGCTCCAGCTT
CTGGGTATCCAGAGAGCACTGCATTCCCCAAAACGGAAGGGGCCCTGGGCAGTGGGTTTTGGGCAAATTCCT
TTCTTTGCATCCACAATGTGGGTGCGAGCTTGGGGGCGAGTCTGGGAGTGGGAAGCCTCTTCTTGTGTCTTT
CGCTCCACTTTTAGCTCATCGCACCAATATTGCAGACTTGGAAGGAAGCATAAGCTTCCCATTTCACAAAGGGGA
AACTGAGGTGCGGGTGCAGGGGCTGGGGACGGCCGTCCCATGGCTTCATCTGAGCCACCTCGGGACCCAGCA
CTCTGGCGCCCTCTTCTCATCGCTTGGCCTATGACAGGTACCGTGTGTAATCTTTCCAATAAAGTGTGCA
CAAAGAAAAAAAAAAAAAAAAAACGGCAGCCCTGGGCGGCTGGGAGCACGGACGGGGCGCCCGCGCAGCTGCCTC
TCGTGCTCACCGCGCTGTGGGCGCGGGCCGTGGGCTGGAGCTGGCTTACGTGCTGGTGTCTGGTCCCAGGGCCGC
CGCCGTGGGACCCCTGGCCCGGGCCTTGCACTGGCGCTGGCCGCCTTCCAGCTGCTCAACCTGCTGGGCAACG
TGGGGCTCTTCTGCGCTCGGATCCAGCATCCGTGGCGTGATGCTGGCCGGCCGCGGTCTGGGCCGGGGCTGGG
CTTACTGCTACCAATGCCAAAGCCAGGTGCCGCCACGCAGCGGACACTGCTCTGCCTGCCCGCTCTGCATCCTGC
GTCGGGACCACTGCGCCTGCTGGGCCGTGCGTGGGCTTCGGCAACTACCGGCCCTTCTGTGCTGCTGC
TTCATGCCCGCGGCGTCTGCTCCACGTCTCTGTGCTGCTGGGCCCTGCACTGTGCGCCCTGCTGCGAGCCCACA
CGCCCCCTCCATGGCTGCCCTCCTCCTGCTTCCCTGGCTCATGTTGCTCACAGGCAGAGTGTCTCTGGCACAGT
TTGCCTTGGCCTTCGTGACGGACACGTGCGTGGCGGGTGCCTGCTGTGCGGGGCTGGGCTGCTCTTCCATGGGA
TGCTGCTGCTGCGGGGCCAGACCACATGGGAGTGGGCTCGGGGCCAGCACTCCTATGACCTGGGTCCCTGCCACA
ACCTGCAGGCAGCCCTGGGGCCCCGCTGGGCCCTCGTCTGGCTCTGGCCCTTCTGGCCTCCCCATTGCCCTGGGG
ATGGGATCACCTTCCAGACCACAGCAGATGTGGGACACACAGCCTCCTGACTCCAGGAAGAGCCAGAGCTGTGCA
GGGAGGAAGGGGTGAGAGGGGGGCCCCACACCTAGACTCAGTAAGGAAGTCGGGTTGGACCTTAACATCTGCAT
TGGACAACCTCACCCCTTCTTGGCCTTGCCCTGCCCGCTACACTCCTACGTGTCCAGGGCTTGGGCCGTGAC
TTAGGCAGAGGAGTGCAGAGGAGGTCTGGCAGGGGCTGCTCAGGCCGCTAGCTGCCCTTTGCCAGGTTAATA
AAGCACTGACTTGTTAAAAAAAAAAAAAAAAAAAAA

1202/2825
FIGURE 1065

MSVPHPHPPPPSPEKAASLEYDYETIRNIDCYSTDFCVRVRDGMRYWNMTVQWWLAQYIYKSAPARSYVLRSAWT
MLLSAYWHGLHPGYYSFLTIPLCLAAEGRLESALRGRLSPGGQKAWDWVHWFLKMRAYDYMCMGFVLLSLADTL
RYWASIYFCIHFLALAAALGLGLALGGGSPSRRKAASQPTSLAPEKLREE

1203/2825
FIGURE 1066

AAAGAACCGCACACCACAGACTCCCTCCAGCTCTTTGTGTGTGGCTCTCTCAGGGTCCAACAAGAGCAAGCTGTG
GGTCTGTGAGTGTTTATGTGTGCTTTTATTCACTTCACACTTATTGAAAAGTGTGTATGTGAGAGGGTGGGGTGT
GTGTGTCAAAGAGAGTGAGGAAGAGAAGGAGAGAGAGATCAATTGATTCTGCAGCCTCAGCTCCAGCATCCCTCA
GTTGGGAGCTTCCAAAGCCGGGTGATCACTTGGGGTGCATAGCTCGGAGATGCAGTCCCCCTGGAAAAATCCTTAC
GGTGGCGCCTCTATTCTTGCTCCTGTCTCTTCAGTCCCTCGGCCTCTCCAGCCAACGATGACCAGTCCAGGCCAG
CCTCTCGAATGGGCACACCTGTGTAGGGTGTGTGCTGGTGGTGTCTGTAATAGAACAGCTTGCTCAAGTTCACAA
CTCGACGGTCCAGGCCTCGATGGAGAGACTGTGCAGTACCTGCCTGAAAACTGTTCTTGAAAACCACTGCTA
TTTAGTCATTGACAAGTTTGGATCAGACATCATAAACTGCTTAGCGCAGATATGAATGCTGATGTGGTATGTCA
CACTCTGGAGTTTTGTAAACAGAACTGGCCAACCATTTGTGTCATCTCTACCCTCTTCCCAAGGAGACATGGAA
ATTTACACTACAGAAGGCAAGACAAATTGTCAAGAAGTCCCCGATTCTGAAATATTCTAGAAGTGGTTCTGACAT
TTGTTCACTCCCGTTTTGGCCAAGATCTGCCAGAAAATTAATTTAGCTATGGAACAGTCTGTGCCATTCAAAGA
TGTGGATTACAGACAAATACAGCGTTTTTCCCAACACTGCGGGGCTATCACTGGCGGGGGAGAGACTGTAATGACAG
CGACGAGTCAGTGTAACCCAGGTAGAAGGCCGAACAACCTGGGATGTCCATCAGGATTCAAACCTGTAATGGCATTG
GGGTGTGATCCAAAAGATGGAGTTCCATATGAGAAGAAATTTCTGTGAAGTTTACAGCCCAGGGGAATCATTTT
GCTGGGAGACTCAGCTGGGGCTCATTTTACATCTCTCCTGAATGGATCACAGCGTCGAGATGTCTTTGAACTC
TTTCATCAATCTACCAACAGCCCTTACCAACGAGCTTGACTGGCCCCAACTCTCTGGTGCTACAGGATTTCTGGA
CTCCACTGTTGGAATTAAGAAAAATCTATTTACCTTCGCTTATGGAAAAGAAACCACTGTAATCACAGGGACTA
CCAGAAATATTCAAGAAATGGTGCATCTTCCCGAAACCTGAAGAAATTTATAGAAAGCTTGTCTAGAAAACAAGGT
GTTGGACTATCCCGCCATCGTTATATATGCCATGATTGGAAATGATGTCTGCAGTGGGAAGAGTGACCCAGTCCC
AGCCATGACCACTCCTGAGAACTCTACTCCAACGTCATGCAGACTCTGAAGCATCTAAATTTCCACCTGCCCAA
TGGCAGCCATGTTATTTTGTATGGCTTACCAGATGGAAACCTTTCTCTGGGATAATTTGCACAACAGATATCATCC
TCTCGGCCAGCTAAATAAAGACATGACCTATGCGCAGTTGTACTCCTTCCTGAAGTGCCTCCAGGTCAGCCCCCTG
CCACGGCTGGATGTCTTCCAACAAGACGTTGCGGACTCTCACTTCAGAGAGAGCAGAGCAACTCTCCAACACACT
GAAAAAAATTGCAGCCAGTGAGAAATTTACAAACTTCAATCTTTTCTACATGGATTTTGCCTTCCATGAAATCAT
ACAGGAGTGGCAGAAGAGAGGGCGACAGCCCTGGCAGCTCATCGAGCCCGTGGATGGATTCCACCCCAACGAGGT
GGCTTTGCTGTGTGTTGGCGGATCATTTCTGGAAAAAGGTGCAGCTCCAGTGGCCCCAAATCCTGGGAAAGGAGAA
TCCGTTCAACCCCCAGATTAAACAGGTGTTTGGAGACCAAGGCGGGCAGTGCCTCTCAGGAGCATGCACCCCT
GGGGAGCACAGGGAGGCAGAGGCTTGGGTAACTCATTCCACAAACCTATGGGGGCTGCCACGTCACAGGCCCA
AAGGACTCTTCTTCAGCAGCATCTTTGCAAAATGTCTTTCTCTCAATGAAGAGCATATCTGGACGACTGTGCAAT
GCTGTGTGCTCCCGGGGATCAGTAACCTTCCGCTGTTCTGAAATAACCTTTATAAAGTGCTTTGGGTGCCAT
TCCA

1204/2825
FIGURE 1067

MQSPWKILTVAPLFLLLSLQSSASPANDDQSRPSLSNGHTCVGCVLVVSVIEQLAQVHNSTVQASMERLCSYLPE
KLFLKTTCYLVIDKFGSDI IKLLSADMNADVCHTLEFCKQNTGQPLCHLYPLPKETWKFTLQKARQIVKKSPII
KYSRSGSDICSLPVLAKICQKIKLAMEQSVFFKDVDSDKYSVFPTLRGYHWRGRDCNDSDESVPGRRPNNWDVH
QDSNCNGIWGVDPKDGVPYEKKFCEGSQPRGIILLGDSAGAHFHI SPEWITASQMSLNSFINLPTALTNELDWPQ
LSGATGFLDSTVGIKEKSIYLRWLKRNHCNHRDYQNI SRNGASSRNLKKFIESLSRNKVLDYP AIV IYAMIGNDV
CSGKSDPVPAMTTPEKLYSNVMQTLKHLNSHLPNGSHVILYGLPDGTF LWDNLHNRYHPLGQLNKDMTYAQLYSF
LNCLQVSPCHGWMSSNKTLRTLTSERAEQLSNTLKKIAASEKFTNFNLFYMDFAFHEIIQEWQKRGGQFPWQLIEP
VDGFHPNEVALLLLADHFWKKVQLQWPQILGKENPFNPQIKQVFGDQGGH

1205/2825
FIGURE 1068

ACAGAGATGGCACTGATGCAGGAAGTGTATAGCACACCAGCCTCCAGGCTGGACTCCTTCGTGGCTCAGTGGCTG
CAGCCCCACCGGGAGTGGGAAGGAAGAGGTGCTAGACGCTGTGCGGACCGTGGAGGAGTTTCTGAGGCAGGAGCAT
TTCCAGGGGAAGCGTGGGCTGGACCAGGATGTGCGGGTGTGTAAGGTAGTCAAGGTGGGCTCCTTCGGGAATGGC
ACGGTTCTCAGGAGCACCAGAGAGGTGGAGCTGGTGGCGTTTCTGAGCTGTTTCCACAGCTTCCAGGAGGCAGCC
AAGCATCACAAAGATGTTCTGAGGCTGATATGGAAAACCATGTGGCAAAGCCAGGACCTGCTGGACCTCGGGCTC
GAGGACCTGAGGATGGAGCAGAGAGTCCCCGATGCTCTTGTCTTCACCATCCAGACCAGGGGGACTGCGGAGCCC
ATCACGGTCACCATTGTGCCTGCCTACAGAGCCCTGGGGCCTTCTCTTCCCAACTCCCAGCCACCCCTGAGGTC
TATGTGAGCCTGATCAAGGCCTGCGGTGGTCTTGAAATTTCTGCCCATCCTTCAGCGAGCTGCAGAGAAATTTT
GTGAAACATCGGCCAACTAAGCTGAAGAGCCTCTGCGCCTGGTGAAACACTGGTACCAGCAGTATGTGAAAGCC
AGGTCCCCCAGAGCCAATCTGCCCCCTCTCTATGCTCTTGAACCTCTAACCATCTATGCCTGGGAAATGGGTACT
GAAGAAGACGAGAATTTTATGTTGGACGAAGGCTTCACCAGTGTGATGGACCTGCTCCTGGAGTATGAAGTCATC
TGTATCTACTGGACCAAGTACTACACACTCCACAATGCAATCATTGAGGATTGTGTGAGAAAACAGCTCAAAAAA
GAGAGGGCCCATCATCCTGGATCCGGCCGACCCACCCCTCAACGTGGCAGAAGGGTACAGATGGGACATCGTTGCT
CAGAGGGCCTCCCAGTGCCTGAAACAGGACTGTTGCTATGACAACAGGGAGAACCCCATCTCCAGCTGGAACGTG
AAGAGGGCACGAGACATCCACTTGACAGTGGAGCAGAGGGGTTACCCAGATTTCAACCTCATCGTGAACCCTTAT
GAGCCCATAAGGAAGGTTAAAGAGAAAAATCCGGAGGACCAGGGGCTACTCTGGCCTGCAGCGTCTGTCTCTCCAG
GTTCTTGGCAGTGAGAGGCAGCTTCTCAGCAGCAGGTGCTCCTTAGCCAAATATGGGATCTTCTCCACACTCAC
ATCTATCTGCTGGAGACCATCCCCTCCGAGATCCAGGTCTTCGTGAAGAATCCTGATGGTGGGAGCTACGCCTAT
GCCATCAACCCCAACAGCTTTCATCCTGGGTCTGAAGCAGCAGATTGAAGACCAGCAGGGGCTTCTTAAAAAGCAG
CAGCAGCTGGAATTCCAAGGCCAAGTCCTGCAGGACTGTTTGGGTCTGGGGATCTATGGCATCCAAGACAGTGAC
ACTCTCATCCTCTCGAAGAAGAAAGGAGAGGCTCTGTTTCCAGCCAGTTAGTTTTCTCTGGGAGACTTCTCTGTA
CATTCTGCCATGTACTCCAGAACTCATCCTGTCAATCACTCTGTCCATTGTCTACTGGGAAGGTCCCAGGTCT
TCACCAGTTTTACAATGAGTTATCCAGGCCAGACGTGGTAGCTCACACCTGTAATCCAGAACTTTGGGAGGCC
GAGGTGGGAGGAGCGCTTGAGCCGAGGAGTTCAAGACCAGCCTGGGTATCATAGGGAGACCCCGTCTCTACAAAA
TAAAAAATAATTCACTGGG

1206/2825
FIGURE 1069

MALMQELYSTPASRLDSFVAQWLQPHREWKEEVLDVVRTVEEFQRQEHFQGKRGLDQDVRVLKVVKVGSFGNGTV
LRSTREVELVAFSLSCFHSFQEAAKHHKDVLRLIWKTMTWQSQDLLDLGLEDLRMEQRVPDALVFTTIQTRGTAEPI
VTIVPAYRALGPSLPNSQPPPEVYVSLIKACGGPGNFCPSFSELQRNFVKHRPTKLKSLRLVKHWYQQYVKARS
PRANLPPLYALELLTIYAWEMGTEEDENFMLDEGFTTVMDDLLEYEVICIWTKYYTLHNATIEDCVRKQLKKER
PIILDPADPTLNVAEGYRWDIVAQRASQCLKQDCCYDNRENPISSWNVKRARDIHLTVEQRGYPDFNLIVNPYEP
IRKVKEKIRRTRGYSGLQRLSFQVPGSERQLLSSRCSLAKYGIFSHTHIYLLLETIPSEIQVFVKNPDGGSYAYAI
NPNSFILGLKQQIEDQQGLPKKQQQLEFQGVQLQDWLGLGIYGIQSDTLILSKKKGEALFPAS

1207/2825
FIGURE 1070

AGCCTACGCACGAAAGTGACTAGGGAGGAAGGATATTATAAAGTGATGCAAACAGAAATTCACCAGCCTCCATG
TATCATCATGTGTCATAACTCAGTCAAGCTCAGTGAGCATTCTCAGCACATTGCCTCAACAGCTTCAAGGTGAGC
CAGCTCAAGACTTTTGCTCTCCACCAGGCAGAAGATGACAGACTGTGAATTTGGATATATTTACAGGCTGGCTCAG
GACTATCTGCAGTGCCTCTACAGATACCACAACCTGGATCAGGTCCAAGCAAAACGTCCAGAGTGCTACAAAAT
GTTGCGTTCTCAGTCCAAAAGAAGTGGAAAAGAATCTGAAGTCATGCTTGGACAATGTTAATGTTGTGTCCGTA
GACACTGCCAGAACACTATTCAACCAAGTGATGGAAAAGGAGTTTGAAGACGGCATCATTAAGTGGGGAAGAATT
GTAACCATATTTGCATTTGAAGGTATTCTCATCAAGAACTTCTACGACAGCAAATTGCCCCGGATGTGGATACC
TATAAGGAGATTTCATATTTTGTGCGGAGTTCATAATGAATAACACAGGAGAATGGATAAGGCAAAACGGAGGC
TGGGAAAATGGCTTTGTAAAGAAGTTTGAACCTAAATCTGGCTGGATGACTTTTCTAGAAGTTACAGGAAAGATC
TGTGAAATGCTATCTCTCCTGAAGCAATACTGTTGACCAGAAAGGACACTCCATATTGTGAAACCGGCCTAATTT
TTCTGACTGATATGGAAACGATTGCCAACACATACTTCTACTTTTAAATAAACAACCTTTGATGATGTAACCTTGAC
CTCCAGAGTTATGGAAATTTGTCCCCATGTAATGAATAAATTGTATGTATTTTCTCT

1208/2825
FIGURE 1071

MTDCEFGYIYRLAQDYLQCVLQIPQPGSGPSKTSRVLQNVAFSVQKEVEKNLKSCLDNVNVVSVDTARTLFNQVM
EKEFEDGIINWGRIVTIFAFEGILIKLLRQQIAPDVDTYKEISYFVAEFIMNNTGEWIRQNGGWENG FVKKFEP
KSGWMTFLEVTGKICEMLSLLKQYC

1209/2825
FIGURE 1072

CACAACCTAGTCCAGAGCCTCACAGTCCTACTGAACCTCCTGCATGGGGCAGCAGTATTGTGAAAGTTCCGTCTG
GTATATTTGATGTCAACAGCAGGAAAAGTAGCACTGGTAGTATATCAAATGTGCTGTTTTCTACTCAAGATCCAG
TTGAAGATGCAGTCTTTGGCGAAGCTACTAATCTCAAGAAGAATGGTGATAGAGGAGAAAAAAGACAAAAGCATT
TTCCTGAGAGGAGTTGTAGTTTTAGTTCTGAAAGTCGAGCAGGAATGTTGCTTAAGAAGAGTAGTTTGGATTCTGA
ATTCAAGTGAAATGGCTATCATGATGGGAGCAGATGCCAAGATTCTCACAGCAGCATTGACATGTCTAAGACTT
CTCTACTTCATATTGCAAGAACCCATAGCTTTGAGAATGTTAGCTGTCACCTACCTGATAGTAGGACTTGTATGT
CTGAAAGCACTTGGAAATCCTGAGCACAGATCATCTCCGGTGCCAGAGATGCTTGAGGAAAGCCAAGAACTCCTTG
AGCCTGTGGTTGATGACGTACCTAAAACACTACTGCAACAGTAGATACATATGAGAGTCTACTAAGTGATAGTAACA
GTAATCAGTCCAGAGACTTGAAAACAGTATCCAAAGATCTGAGAAATAAGAGAAGTAGTTTATATGGTATTGCTA
AGGTGGTTCAGAGGGAAGATGTTGAAACTGGACTAGATCCTTTGTCTCTTTTAGCCACTGAATGTACAGGAGGAA
AAACTCCTGATTCTGAAGATAAGTTGTTTTCTCCAGTTATTGCACGTAATCTGGCTGATGAAATAGAAAGCTATA
TGAACCTAAAAAGTCCCCTAGGTAGTAAATCTTCTAGTATGGAATTACACAGAGAGGAAAACAGAGAGTCTGGCA
TGACTACTGCATTTATTTCATGCTCTAGAGAGGAGATCAAGCCTACCTTTAGATCATGGTTCACCAGCACAGGAAA
ATCCTGAAAGTGAAAAGAGCTCACCTGCAGTGTCCAGGTCTAAAACCTTTTACTGGGCGTTTCAAGCAGCAAACCC
CCTCTCGAACTCATAAAGAACGTTCAACTTCTTTGTGTCAGCACTGGTGCGTTCTTCGCCACATGGCTCGTTGGGTT
CTGTAGTAAATTCTTTGTGTCAGGGCTAAAGCTGGATAATATACTCTCAGGGCCCAAGATAGATGTCTGAAATCTG
GTATGAAACAAGCAGCGACAGTAGCCAGTAAGATGTGGGTAGCTGTTGCGTCTGCCTACAGCTACTCAGATGATG
AGGAAGAACTAATAGAGACTACAGCTTCCCAGCTGGCCTAGAAGACCATATTTTGGGGGAGAATATATCGCCTA
ACACAAGTATCTCAGGGTTGGTCCCCAGTGAACCTACCCAGAGCAACACAAGTCTTGGCAGTAGCAGCAGTAGTG
GAGATGTAGGAAAACCTGCATTATCCAACAGGTGAAGTTCCATTTCCAAGAGGCATGAAAGGGCAAGACTTTGAAA
AATCAGATCATGGTTCTTCTCAAAATACCAGCATGTCTAGCATCTATCAGAATTGTGCAATGGAGGTTTTGATGT
CCAGTTGTTACAGTGTAGAGCTTGTGGAGCTTTAGTTTATGATGAAGAAATTATGGCTGGATGGACAGCAGATG
ACTCAAATTTGAATACAGCTTGTCCATTCTGTAAAAGCAACTTCTTGCCCTCTTCTCAATATAGAATTCAAAGATT
TGAGAGGTTCTGCAAGCTTTTTCTGAAACCAAGTACCTCTGGTGACAGTTTACAAAGTGGAAGCATTCCATTGG
CAAATGAATCCTTGGAGCACAAACCTGTATCCAGTTTAGCAGAACCTGACTTGATCAACTTTATGGACTTCCCAA
AACATAACCAGATCATAACTGAAGAAACAGGCTCTGCAGTTGAACCAAGTGATGAAATAAAGAGAGCCAGTGGAG
ATGTCCAACTATGAAAATTTTCATCTGTGCCTAATAGTTTATCAAAGCGAAATGTGTCTTTGACTCGAAGTCACA
GTGTTGGAGGCCATTGCAGAATATTGACTTTACCCAGCGACCGTTTCATGGCATCTCAACAGTTAGTCTTCCAA
ATAGTCTGCAGGAAGTTGTGGATCCTTTAGGAAAAAGACCCAATCCTCCCCCTGTTTCTGTGCCCTACTTGAGTC
CTCTAGTACTCCGTAAAGAACTTGAATCTTTGCTAGAAAATGAAGGTGATCAGGTGATTACATACATCTTCTTTCA
TCAATCAACATCCAATCATTTTCTGGAACCTCGTTTGGTATTTTACAGCGTTTGGACCTTCTAGTAACTTGCCAG
GACTTATCCTCACATCTGAACATTGTAATGAAGGTGTACAGCTTCCTCTGTATCTCTGTCCCAGGATAGCAAAC
TTGTGTATATTAGCTGTTATGGGATAATATCAACCTTCATCAGGAACCAAGAGAACCTCTGTATGTCTCATGGA
GGAATTTTAATTCTGAAAAGAAATCATCTCTCTCTGTCAGAGGAACAACAAGAAACAAGCACTTTAGTAGAAACCA
TCAGGCAGAGTATTAGCACAATAATGTTCTTAAACCCATCAACCTACTTTCACAGCAAATGAAGCCAGGCATGA
AAAGACAAAGAGGCATTTGACAATGAATATGGAATTGCATACAATAGTCTGTCTTCAGAGATTCTTGAAAGGTTG
CAGAAAAATTGATGCTCCACCAAGTGCCAGTGTGAGTGGTGCAAGTGTGTTTGGAGCGCCTCTCATTTAAATA
GAGATTCACTAGAATGTTGACACACAAGGCTTGGGGATTAGATTTTATCTGGAAACATTCAAGTTTTTTTTTTCC
AAATCGTAAGAACTGGTGAATACGGAATTGAAGTAACTCTTGGGGACAATATATAATGAATTATGATTCATATTG
CATTACCTTGAAATATGAAGTGCCATTTGAATGTCCCAGGGCTTATTAATATTGAAGATTTTCAACCCCTGAACT
GCTTTTTCTGCCTCTGTGGAAAACCTACTTTGGGATTCTTCAGTATTTGTAGTAGTTTGATAGAAATAATGAGGAAC
CATATTCATTCTAGGCATTGTTTATATTTGAAGTTACTGAGTTTGAGGAATGGCAAATTAAATTTGCCTAACCCC
CAAAACAAATGAAATATCTCAATTATAAAAGCAACATGGCCGGGCACGGTGGCTCAGGCCTGTAATCCCAGCACT
TTGGGAGGCTGAGCAAGGTGGGTGGATCACTTGAGGCCAGGAGTTCGAGACCAGCCTGGCCAACACGGTGAGACC
CTGTCTTTACTAAAAATACAAAATTAGCCAGGCGCACCCTGTAGTCCCAGCTACTCAGGCTGAGGCAGGAGAA
TCGCTTGAACAGGAGGCTACAGTGAGTGAGATCACGCCACTGCAACTCCAGCTTGGGTGACAGAGTGAG
ACCGTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

1210/2825
FIGURE 1073

MLLKKSSLDNSNSEMAIMMGADAKILTAALTCPKTSLHLIARTHSFENVSCHLPDSRTCMSSESTWNPEHRSSPVP
EMLEESQELLEPVVDDVPKTTATVDITYESLLSDSNSNQSRDLKTVSKDLRNKRSSLYGIAKVVQREDVETGLDPL
SLLATECTGGKTPDSEDKLFSPVIARNLADEIESYMNKSPLGSKSSSMELHREENRESGMTTAFIHALERRSSL
PLDHGSPAQENPESEKSSPAVSRSKTFTGRFKQQTPSRTHKERSTSLSALVRSSPHGSLGSSVNSLSGLKLDNIL
SGPKIDVLKSGMKQAATVASKMWVAVASAYSYSDDDEETNRDYSFPAGLEDHILGENISPNTSISGLVPSELTQS
NTSLGSSSSSGDVGKLHYPTGEVFPFRGMKGQDFEKS DHGSSQNTSMSSIQNCAMEVLMSSCSQCRACGALVYD
EEIMAGWTADDSNLNTACPFCKSNFLPLLNIEFKDLRGSASFLLKPSTSGDSLQSGSIPLANESLEHKPVSSLAE
PDLINFMDFPKHNQIIITEETGSAVEPSDEIKRASGDVQTMKISSVPNSLSKRNVS LTRSHSVGGPLQNIDFTQRP
FHGISTVSLPNSLQEVVDPLGKRPNPPVSVPYLSPLVLRKELES LLENEGDQVIHTSSFINQHP IIFWNLVWYF
RRDLPSNLPLGLILTSEHCNEGVQLPLSSLSQDSKLVYIQLLWDNINLHQEPREPLYVSWRNFNSEKKSSLLSEE
QQETSTLVETIROSIQHNNVLKPINLLSQQMKPGMKRQRGI

1211/2825
FIGURE 1074

CCGCC**ATG**GGGTCCCTGTTCCGGAGCGAGACCATGTGCCTGGCGCAGCTCTTCCTGCAGTCGGGCACGGCCTACG
AGTGCCTCAGCGCCCTGGGCGAGAAAAGGCCTGGTCCAGTTCCGAGACCTCAACCAGAACGTAAGTTCTTTCCAAA
GAAAATTTGTTGGTGAGGTGAAGAGGTGTGAAGAGCTAGAGCGAATATTGGTGTATTTGGTACAGGAAATTAATA
GAGCTGATATTTCCCTTCCCTGAAGGAGAGGCCAGCCCTCCTGCGCCACCCCTGAAACAGGTTCTAGAAATGCAGG
AGCAGTTGCAGAAGCTCGAGGTTGAACTGAGAGAAGTCACTAAGAACAAGGAGAAACTGAGGAAAAACTTGCTGG
AACTGATAGAGTACACTCACATGCTGAGAGTGACAAAGACCTTTGTGAAACGCAACGTTGAGTTTGAACCCACTT
ATGAAGAATTCCCTTCCCTTAGAGAGCGATTCTTTGTTGGATTACAGCTGTATGCAGAGGCTGGGAGCAAACTGG
GATTTGTGTCTGGCCTAATTAACCAAGGAAAAGTGAAGCATTGAAAAAATGTTGTGGAGAGTCTGCAAAGGGT
ACACCATCGTGTCTATGCAGAACTGGATGAATCCCTTGAAGACCCTGAAACAGGGGAAGTCATAAAATGGTATG
TCTTTTAAATATCCTTTTGGGGAGAGCAGATTGGCCACAAGGTTAAGAAGATATGTGATTGCTACCACTGCCACG
TGTACCCCTATCCAAACACAGCCGAGGAGCGGAGGGAGATCCAGGAGGGGCTGAACACCCGCATCCAGGATCTCT
ACACTGTACTGCACAAAACCGAGGACTATTTGAGGCAAGTGCTATGTAAAGCCGCCGAGTCTGTCTACAGCCGTG
TGATCCAGGTGAAGAAAATGAAGGCCATCTATCACATGCTGAACATGTGCAGCTTTGACGTGACCAACAAGTGCC
TCATTGCTGAAGTCTGGTGTCCCGAGGCGGATCTGCAGGACCTGCGCCGGGCACTGGAGGAGGGCTCGAGAGAGA
GTGGTGCTACAATCCCTCATTTCATGAATATAATCCCCACAAAGAAACACCCCCCACTCGGATCCGCACCAACA
AATTCACCGAGGGATTTTCAAGACATCGTGGATGCTTATGGAGTCCGAAGCTACAGAGAAGTCAATCCAGCTCTCT
TTACCATCATCACCTTCCCGTTTTTATTTGCTGTGATGTTTGGAGACTTCGGACATGGCTTTGTGATGTTTTTAT
TTGCCCTCTTGTGGGTGTTAAATGAAAATCATCCCAGACTAAATCAGTCACAAGAGATCATGAGGATGTTTTTAA
ATGGCCGGTACATCCTCCTGCTGATGGGGCTGTCTCAGTGTACACTGGCCTCATCTACAACGACTGCTTTTCAA
AGTCAGTCAACCTGTTCCGCTCTGGGTGGAACGTGTCCGCCATGTACAGCTCCAGCCACCCACCCGCAGAGCATA
AGAAGATGGTGCTTTGGAACGACAGCGTCGTTAGACACAACAGCATTGTCAGCTGGATCCAAGCATTCTGGAG
TGTTCCGAGGCCCTTATCCCTTGGCATTGATCCTATTTGGAACCTGGCCACAAATCGCCTCACTTTTCTAAACT
CTTTCAAAATGAAAATGTCCGTGATTTTAGGAATCATTCATATGACTTTTGGAGTCATTCTGGGAATATTTAACC
ACTTGCACCTTCAGGAAGAAGTTCAACATTTACCTGGTTTCCATCCCGGAACCTTCTCTTCATGCTCTGTATCTTTG
GATACCTTATATTTATGATTTTCTACAAGTGGCTGGTTTTTTTCAGCAGAAACCTCCAGAGTTGCTCCCAGCATTC
TGATTGAATTTATTAACATGTTTTTATTTCCAGCCAGTAAAACAAGTGGCCTTTACACAGGGCAGGAGTATGTCC
AGAGAGTGCTGCTGGTTGTACAGCATTGTCTGTCCCTGTCTCTTCTTGGGAAAGCCACTGTTTTTGTGTGGC
TTCACAATGGGCGTAGTTGCTTCGGGGTGAACCGGAGTGGCTACACACTTATAAGGAAAGATAGTGAGGAAGAAG
TTTCATTGCTGGGAAGCCAAGATATAGAAGAGGGAAATCACCAGGTGGAAGATGGATGTAGAGAAATGGCGTGTG
AAGAGTTTAAATTTGGAGAAATATTAATGACCCAAGTAATCCATTCCATCGAGTACTGTCTGGGATGCATCTCCA
ACACCGCCTCCTACCTGAGGCTCTGGGCGCTTAGCCTGGCTCACGCACAGTTGTCTGATGTCTGTGGGCCATGC
TGATGCGCGTGGGCCTCCGCGTTGACACCACCTATGGCGTCTTGCTACTGTCTCCCGTTATCGCGCTCTTTGCAG
TTTTGACCATTTTCATCCTTCTGATCATGGAAGGGCTTTCTGCGTTTCTTCACGCCATACGCCTCCACTGGGTA
AATTTCAGAACAAATTTACGTTGGTGCAGGCACCAAATTTGTTCCCTTTCTCATTCACTTCTCATCAAAGT
TCAATAACGACGACAGTGTGGCAT**AGAT**CATATTGCTGTAAACCAACAAGCTTTTCAGATTTATGGAGAATGACCATG
TTATAGACTTTCACTTATGTCAGATTTATGATAGGAAAAATCCATCTTCATTACTGCCTTATGACATAGCCAAA
TAATTTCTGTAAGATATAC

1212/2825

FIGURE 1075

MGSLFRSETMCLAQLFLQSGTAYECLSAUGEKGLVQFRDLNQNVSSFQRKFVGEVKRCEELERILVYLVQEINRA
DIPLPEGEASPPAPPLKQVLEMQEQLOKLEVELEVTNKEKLRKNLLELIEYTHMLRVTKTFVKRNVEFEPTYE
EFPSLESDSLDDYSCMQRLGAKLGFVSGLINQKGVEAFEKMLWRVCKGYTIVSYAELDESLEDPETGEVIKWYVF
LISFWGEQIGHKVKKICDCYHCHVYPYPNTAEERREIQEGLNTRIQDLYTVLHKTEDYLRQVLCKAAESVYSRVI
QVKMKAIYHMLNMCSDVTNKCLIAEVWCPEADLQDLRRALEEGSRESGATIPSFMNIIPTKETPPTRIRTNKF
TEGFQNIVDAYGVGSYREVNPALFTIITFPFLFAVMEGDFGHGFVMFLFALLWVLNENHPRLNQSQEIMRMFFNG
RYILLMLGLFSVYTGLIYNDGFSKSVNLFSGGWNVSAMYSSSHPPAEHKKMVLWNDSVVRHNSILQLDPSIPGVF
RGPYPLGIDPIWNLATNRLTFLNSFKMKMSVILGIIHMTFGVILGIFNHLHFRKKFNIIYLVSIPELLFMLCIFGY
LIFMIFYKWLVSFAETSRVAPSILIEFINMFLFPASKTSGLYTGQEVVQRVLLVVTALSVPVFLFLGKPLFLLWLH
NGRSCFGVNRSGYTLIRKDSEEEVSLGSDIEEGNHQVEDGCREMAEEFNFGIILMTQVIHSIEYCLGCISNT
ASYLRLWALSLAHAQLSDVLWAMLMRVGLRVDTTYGVLLLLPVIALFAVLTIFILLIMEGLSAFLHAIRLHWVEF
QNKFYVGAGTKFVPFSFSLSSKFNNDDSA

1213/2825
FIGURE 1076

ACCTGGTGCGGGAGGCCCGGGCAGGGAGAAAGTGTGCGGGGCCGGGACAAGCCGGCTCCGAGTGCGGGGCGGGAGG
GGCCTGCGCGGCGGGCGGGAGCCCAGAGCCGCGCTAAAGCGGGTCAAGCGTCCTCCTTTTCTCCCCGCCCTTCTC
CTCCTCCTACCTGGGCCTCTGCGTGAGACGCGCACCTGGCAACCGGAGGCCGCGTCTCCGCCTTCTCTGCTCGC
GCCTGGCGCCCCGAGCCTGCCCCGGGACCTCCGCCGGAGCCGCGCTGCTGAGGCGGCCTCGAGCGCTCTCTCGT
TGATGCCGTTTTTGGAGGTGACCGGCGCGGCGGCCGCTCTATGGTGGGGCCGCGTTAGTGGCTGCGGCTCCGCGGG
ACTCCAGGGCGCGGCTGCGAGGTGGCGGGGCGCCCCGCTGCAGAACCTGCTTGCAGCTCAGGTTTCGGGGTGC
TTGAGGAGGCCGCCACGGCAGCGCGGGAGCGGAAGATGTTGGAGCTGAGGCACCGGGGAAGCTGCCCCGGCCCCA
GGGAAGCGGTGTGCGCGCCACACCGCGAGGGAGAGGCGGCGGGCGGCGACCACGAAACCGAGAGCACCAGCGACA
AAGAAACAGATATTGATGACAGATATGGAGATTGGATTCCAGAACAGATTCTGATATTCCGGAAATTCCACCAT
CCTCAGATAGAACCCCTGAGATTCTCAAAAAAGCTCTATCTGGTTTATCTTCAAGGTGGAAAAACTGGTGGATAC
GTGGAATTCTCACTCTAACTATGATCTCGTTGTTTTTCTGATCATCTATATGGGATCCTTCATGCTGATGCTTC
TTGTTCTGGGCATCCAAGTGAAATGCTTCCATGAAATTATCACTATAGGTTATAGAGTCTATCATTCTTATGATC
TACCATGGTTTTAGAACACTAAGTTGGTACTTTCTATTGTGTGTAACTACTTTTTCTATGGAGAGACTGTAGCTG
ATTATTTTGCTACATTTGTTCAAAGAGAAGAACAACCTTCAGTTCCTCATTGCTACCATAGATTTATATCATTG
CCCTCTATCTGGCAGGTTTTCTGCATGTTTGTACTGAGTTTGGTGAAGAAACATTATCGTCTGCAGTTTTATATGT
TCGCATGGACTCATGTCACTTTACTGATAACTGTCACTCAGTCACACCTTGTCAATCCAAAATCTGTTTGAAGGCA
TGATATGGTTCCTTGTTCGAATATCAAGTGTTATCTGCAATGACATAACTGCTTACCTTTTTGGATTTTTTTTTG
GGAGAACTCCATTAATTAAGTTGTCTCCTAAAAAGACTTGGGAAGGATTTCATTGGTGGTTTTCTTTTCCACAGTTG
TGTTTGGATTTCATTGCTGCCTATGTGTTATCCAAATACCAGTACTTTGTCTGCCAGTGGAATACCGAAGTGATG
TAAACTCCTTCGTGACAGAATGTGAGCCCTCAGAACTTTTCCAGCTTCAGACTTACTCACTTCCACCCTTTCTAA
AGGCAGTCTTGAGACAGGAAAGAGTGAGCTTGTACCCTTTCCAGATCCACAGCATTGCACTGTCAACCTTTGCAT
CTTTAATTGGCCCATTTGGAGGCTTCTTTGCTAGTGGATTCAAAAGAGCCTTCAAATCAAGGATTTTGCAAATA
CCATTCTTGACATGGTGGGATAATGGACAGATTTGATTGTCAGTATTTGATGGCAACTTTTGTACATGTGTACA
TCACAAGTTTTATCCGGGGCCCAATCCCAGCAAAGTGCTACAGCAGTTGTTGGTGCTTCAACCTGAACAGCAGT
TAAATATATATAAAACCCCTGAAGACTCATCTCATTGAGAAAGGAATCCTACAACCCACCTTGAAGGTATAACTGG
ATCCAGAGAGGGAAGGACTGACAAGAAGGAATTATTCAGAAAAACACTGACAGATGTTTTATAAATTGTACAGAA
AAATAGTTAAAAATGCAATAGGTTGAAGTTTTGGAGATATGTTTCTCTCTGAAATTACTGTGAATATTTAACAAA
CACTTACTTGATCTATGTTATGAAATAAGTAGCAAATTGCCAGCAAATGTCTTGTACCTTTTCTAAAGTGATTT
TTCTGATGTGAACCTTCCTTCCCCTTACTTGCTAGGTTTCATAATTTAAAGAGTCAAACACTATAAAATGAGTAA
GTTGACGATGTTTTAAGATTGCACCTGGCAGTGTGCCTTTTTGCACAAATATTTACTTTTGCACCTTGGAGCTGCT
TTTAATTTTAGCAAATGTTTTATGCAAGGCACAATAGGAAGTCAGTTCTCCTGCACTTCCCTCCTCATGTAGTCT
GGAGTACTTTCTAAAGGGCTTAGTTGGATTTAAAAAAAAAAAAAAAAAAAAA

1214/2825
FIGURE 1077

MLELRHRGSCPGPREAVSPPHREGEAAGGDHETESTSDKETDIDDRYGDLDSDIPEIPPSSDRTPEILKKA
LSGLSSRWKNWWIRGILTLTMISLFFLIIMGSFMLMLLVLGIVKCFHEIITIGYRVYHSYDLPWFRTLSWYFL
LCVNYFFYGETVADYFATFVQREEQLQFLIRYHRFISFALYLAGFCMFVLSLVKKHYRLQFYMFATHVTLITV
TQSHLVIQNLFEQMIWFLVPISSVICNDITAYLFGFFFGRTPLIKLSPKKTWEGFIGGFFSTVVFGFIAAYVLSK
YQYFVCPVEYRSDVNSFVTECEPSELFQLQTYSLPPFLKAVLRQERVSLYPFQIHSLALSTFASLIGPFGGFFAS
GFKRAFKIKDFANTIPGHGGIMDRFDCQYLMATFVHVYITSFIRGPNPSKVLQQLLVLPQEQQLNIYKP

1215/2825
FIGURE 1078

CGGGAAACGGCAAACAGCGAGATATCCGAGCGAGAGTCCCGCCCTGCATCAGTTTGCGGAACCGCCTTGGTAGAA
GGAGAGAAGGGGAGTGGAGGAAGCACGGGACTGGAGGGACCAAAGTTCCCCGATGGCGGCCAGGGGTGCGCGGC
ATCGCGGCTGCTCCAGCTGCTGCTGCAGCTTCTGCTTCTACTGTTGCTGCTGGCGGGCGGGCGGGCGCGCGCG
GTGGCGCGCGGAGGGCACCAGCGCACACTTGCGGGACATCTTCCTGGGCCGCTGCGCCGAGTACCGCGCACTGCT
GAGTCCCAGCAGCGGAACAAGAAGTGCACAGCCATCTGGGAAGCCTTTAAAGTGGCGCTGGACAAGGATCCCTG
CTCCGTGCTGCCCTCAGACTATGACCTTTTTATTAACTTGTCCAGGCACTCTATTCCCAGAGATAAGTCCCTGTT
CTGGGAAAATAGCCACCTCCTTGTTAACAGCTTTGCAGACAACACCCGTCGTTTTATGCCCTGAGCGATGTTCT
GTATGGCAGGGTTGCAGATTTCTTGAGCTGGTGTGACAGAAAAATGACTCTGGACTCGATTACCAATCCTGCC
TACATCAGAAGACTGTGAAAATAATCCTGTGGATTCTTTTTGGAAAAGGGCATCCATCCAGTATTCCAAGGATAG
TTCTGGGGTGATCCACGTCATGCTGAATGGTTCAGAGCCAACAGGAGCCTATCCCATCAAAGGTTTTTTTGCAGA
TTATGAAATTCCAAACCTCCAGAAGGAAAAAATTACACGAATCGAGATCTGGGTTATGCATGAAATTGGGGGACC
CAATGTGGAATCCTGCGGGGAAGGCAGCATGAAAGTCCTGGAAAAGAGGCTGAAGGACATGGGGTTCCAGTACAG
CTGTATTAATGATTACCGACCAGTGAAGCTCTTACAGTGCGTGGACCACAGCACCCATCCTGACTGTGCCTTAAA
GTCGGCAGCAGCCGCTACTCAAAGAAAAGCCCCAAGTCTTTATACAGAACAAAGGGCGGGTCTTATCATTCCCCCT
CTTTCTGGTGCTGGCTTCCCGGACTCAACTGTAACTGGAAACTGTGTTGCTCTAACCTCCTCCAGCCCTGCAGC
CTCCCCCTGCAGTCATCATTCTGTGTTCTGTGTATACCAAATGATTCTGTTATCTAAAGAAGCTTTTTTGCTGGGAA
AACGATGTCCTGAAAATGGTATTTCAATGAGGCATATGTTTCAGGATTTAGAAAACAAGAAGTTAGTTCTATTTAG
CAGGTTAAAAAATGCTGCATTAGAATTAAAGCAAGTTATTTTCTTATTGTATAATGACACAAAGCATTGGGAGT
CAGACTGCTTGTATATTATCAAACATTTTAAAGAGAATTCTAATAAAGCTGTATTTTACATC

1216/2825
FIGURE 1079

MAAQGCAASRLQLLLQLLLLLLLLLLAAGGARARWRAEGTSAHLRDIFLGRCAEYRALLSPEQRNKNCTAIWEAFK
VALDKDPCSVLPSDYDLFINLSRHSIPRDKSLFWENSHLLVNSFADNTRRFMPLSDVLYGRVADFLSWCRQKNDS
GLDYQSCPTSEDCENNPVDSFWKRASIQYKSSGVIVMLNGSEPTGAYPIKGFFADYEIPNLQKEKITRIEIW
VMHEIGGPNVESCGEGSMKVLEKRLKDMGFQYSCINDYRPVKLLQCVDHSTHPDCALKSAAAATQRKAPSLYTEQ
RAGLIIPFLVLASRTQL

1218/2825
FIGURE 1081

MIPPSSPREDGVDGLPKEAVGAEQPPSPASTSSQESKLQKLKRSLSFKTKSLRSKSADNFFQRTNSEDMLQAHM
VAEISPSSSPLPAPGSLTSTPARAGLHPGGKAHAFQEYIFKKPTFCDVCNHMIVGTNAKHGLRCKACKMSIHHKC
TDGLAPQRCMGKLPKGFRRYYSSPLLIHEQFGCIKEVMPIACGNKVDVPYETLRFGTSLAQRTKKGSSGSGSDSP
HRTSTSDLVEVP EEANGPGGGYDLRKRSNSVFTYPENGTDDFRDPAKNINHQGSLSKDPLQMNTYVALYKFVPQE
NEDLEMRPGDIITLLED SNEDWWKGKIQDRIGFFPANFVQRLQQNEKIFRCVRTFIGCKEQGQITLKENQICVSS
EEEQDGFIRVLSGKKKGLIPLDVLENI

1219/2825
FIGURE 1082

GAGCGCCGGCGCGGGACCGAGCTGGCGGGCGGGCGCGCGCTTCCGAGGCTTCCTGCTGCTTCTGCCCCGAGCCC
GCGGCCCTCACGCGCGCCCTCTCCCGTGCCATGGCCTGCAGGCAGGAGCCGCAGCCGCAGGGCCCCGCCGCCGCTG
CTGGCGCCGTGGCCTCCTATGACTACCTGGTGATCGGGGGCGGCTCGGGCGGGCTGGCCAGCGCGCGCAGGGCGG
CCGAGCTGGGTGCCAGGGCCGCCGTGGTGAGAGCCACAAGCTGGGTGGCACTTGCGTGAATGTTGGATGTGTAC
CCAAAAAGGTAATGTGGAACACAGCTGTCCACTCTGAATTCATGCATGATCATGCTGATTATGGCTTTCCAAGTT
GTGAGGGTAAATTCAATTGGCGTGTTATTAAGGAAAAGCGGGATGCCTATGTGAGCCGCTGAATGCCATCTATC
AAAACAATCTCACCAAGTCCCATATAGAAATCATCCGTGGCCATGCAGCCTTCACGAGTGATCCCAAGCCCACAA
TAGAGGTCAGTGGGAAAAAGTACACGCCCCACACATCCTGATCGCCACAGGTGGTATGCCCTCCACCCCTCATG
AGAGCCAGATCCCCGGTGCCAGCTTAGGAATAACCAGCGATGGATTTTTTTCAGCTGGAAGAATTGCCCGGCCGA
GCGTCATTGTTGGTGAGGTTACATTGCTGTGGAGATGGCAGGGATCCTGTCAGCCCTGGGTTCTAAGACATCAC
TGATGATACGGCATGATAAGGTACTTAGAAGTTTTGATTCAATGATCAGCACCAACTGCACGGAGGAGCTGGAGA
ACGCTGGCGTGGAGGTGCTGAAGTTCTCCAGGTCAAGGAGGTTAAAAAGACTTTGTCTGGGCTTGGAAGTCAGCA
TGGTTACTGCAGTTCCCGGTAGGCTACCAGTCATGACCATGATTCCAGATGTTGACTGCCTGCTCTGGGCCATTG
GGCGGGTCCCGAATACCAAGGACCTGAGTTTTAAACAAACTGGGGATTCAAACCGATGACAAGGGTCATATCATCG
TAGACGAATTCCAGAATACCAACGTCAAAGGCATCTATGCAGTTGGGGATGTATGTGGAAGCTCTTCTTACTC
CAGTTGCAATAGCTGCTGGCCGAAAACCTTGCCCATCGACTTTTTGAATATAAGGAAGATTCCAAATTAGATTATA
ACAACATCCCAACTGTGGTCTTCAGCCACCCCCCTATTGGGACAGTGGGACTCACGGAAGATGAAGCCATTTCATA
AATATGGAATAGAAAATGTGAAGACCTATTCAACGAGCTTTACCCCGATGTATCACGCAGTTACCAAAAAGGAAAA
CAAAATGTGTGATGAAAATGGTCTGTGCTAACAAAGGAAGAAAAGGTGGTTGGGATCCATATGCAGGGACTTGGGT
GTGATGAAATGCTGCAGGGTTTTGCTGTTGCAGTGAAGATGGGAGCAACGAAGGCAGACTTTGACAACACAGTCG
CCATTACCCCTACCTCTTCAGAAGAGCTGGTCACACTTCGTTGAGAACCAGGAGACACGTGTGGCGGGCAGTGGG
ACCCATAGATCTTCTGAAATGAAACAAATAATCACATTGACTT

1220/2825
FIGURE 1083

MACRQEPQPQGPPPAAGAVASYDYLVIIGGGSGGLASARRAAELGARAAVVESHKLGGTVCNVGCVPKKVMWNTAV
HSEFMHDHADYGFPSCEGKFNWRVIKEKRDAYVSRLNAIYQNNLTSHIEIIRGHAAFTSDPKPTIEVSGKKYTA
PHILIATGGMPSTPHESQIPGASLGITSDGFFQLEELPGRSVIVGAGYIAVEMAGILSALGSKTSLMIRHDKVLR
SFDSMISTNCTEELLENAGVEVLKFSQVKEVKKTLGLEVSMVTAVPGRLPVMTMIPDVEDCLLWAIGRVPNTKDLS
LNKLGIQTDGKHIIIVDEFQNTNVKGIYAVGDVCGKALLTPVAIAAGRKLHRLFEYKEDSKLDYNNIPTVVFH
PPIGTVGLTEDEAIHKYGIENVKTYSTSFTPMYHAVTKRKTCKVMKMCANKEEKVVGIHMQGLGCDEMLQGFV
AVKMGATKADFDNTVAIHPTSSEELVTLR

1221/2825
FIGURE 1084

CAGAAGCAGCAAACCGCCGGCAAGCCCAGCGAGGAGGGCTGCCGGGGTCTGGGCTTGGGAATTGGCTGGCACCCA
GCGGAAAGGGACGTGAGCTGAGCGCGGGGGAGAAGAGTGCGCAGGTTCAGAGGGCGGGCGCGCAGTCCGCGAGGTCC
CCACGCCGGGCGAT**AT**GGGGTGCTGCTGTTTTCTGCTGCTCTGGGCGCTCCTCCAGGCTTGGGGAAGCGCTGAAG
TCCCGCAAAGGCTTTTTCCCCCTCCGCTGCCTCCAGATCTCGTCTTCGCCAATAGCAGCTGGACGCGCACCGACG
GCTTGGCGTGGCTGGGGGAGCTGCAGACGCACAGCTGGAGCAACGACTCGGACACCGTCCGCTCTCTGAAGCCTT
GGTCCCAGGGCACGTTTCAGCGACCAGCAGTGGGAGACGCTGCAGCATATATTTTCGGGTTTATCGAAGCAGCTTCA
CCAGGGACGTGAAGGAATTCGCCAAAATGCTACGCTTATCCTATCCCTTGGAGCTCCAGGTGTCCGCTGGCTGTG
AGGTGCACCCTGGGAACGCCTCAAATAACTTCTTCCATGTAGCATTTCAAGGAAAAGATATCCTGAGTTTCCAAG
GAACCTTCTTGGGAGCCAACCCAAGAGGCCCCACTTTGGGTAAACTTGGCCATTCAAGTGCTCAACCAGGACAAGT
GGACGAGGGAAACAGTGCAGTGGCTCCTTAATGGCACCTGCCCCAATTTGTCAGTGGCTCCTTGAGTCAGGGA
AGTCGGAAGTGAAGAAGCAAGTGAAGCCCAAGGCCTGGCTGTCCCGTGGCCCCAGTCTGGCCCTGGCCGTCTGC
TGCTGGTGTGCCATGTCTCAGGATTCTACCCAAAGCCTGTATGGGTGAAGTGGATGCGGGGTGAGCAGGAGCAGC
AGGGCACTCAGCCAGGGGACATCCTGCCCAATGCTGACGAGACATGGTATCTCCGAGCAACCCTGGATGTGGTGG
CTGGGGAGGCAGCTGGCCTGTCTGTGCGGTGAAGCACAGCAGTCTAGAGGGCCAGGACATCGTCTCTACTGGG
GTGGGAGCTACACCTCCATGGGCTTGATTGCCTTGGCAGTCTGGCGTGCTTGCTGTTCTCCTCATTGTGGGCT
TTACCTCCCGGTTTAAAGAGGCAAACCTTCCTATCAGGGCGTCTGT**GA**CTCGCCTTGCCACATCTGTGTCTCTGGA
ACCCAGGACCTCTGGACCTCAGGTTCCCAAGACTTCAGTCTTGGTCTGCTCAGGAATTGAAGATGTAAGGAATTG
AAGATAGGAGAGATACCTTGAAAAAGTAGAGAACAGTCAAGAGGCAGCTTTCATCACACCCTTTTAACATTTATC
TAAAAGAATTTAAATTCTTTTTCAAAAATTACACTACAAGTTTATAAGCCCAAATGGCTCTGTGAAATCAGAAGT
GCAAAGGTGTGCAAACCTGTATCTGAAGACCTACCAGGGACAAGCAGGTAAGAGCTGATGTGAGTGTGTGTGATG
GGATCTGTAAGGAAGTGAACACACATGTCCTATCCAAAGGAATCAGCTGCAGCTGCTTGTGTCAAGTATAAAG
TCAGGACCTGGCTTGGCTTTAACCGTTTTTCAAGAAAAGTGGAAATCTGGATTTTCAGCGAACATGCCTGATTTT
AAAAGGTTGACTCAAGTTTTTACAAAATACTATGTGGGACACCTCAAATACATACCTACTGACTGATGACAAACC
CAGGAGTTTGTGTGTCTTTTATAAAAAGTTTGCCCTGGATGTCATATTGGCAGTTGGAGGACACAGTTTCTATTG
TAAATTTGGATTTACGACTGAAGAAGGACATTTTCTCTTTAAAGAAAGTTAGGTTATAAGAAACAGAGGCGTCT
CACATTTTACTTGGTGTAATTAATAAA

1222/2825
FIGURE 1085

MGCLLFLLLWALLQAWGSAEVPQRLFPRLRCLQISSFANSSWTRTDGLAWLGELQTHSWSNDSDTVRSCLKPWSQGT
FSDQQWETLQHIFRVYRSSFTRDVKEFAKMLRLSYPLELQVSAGCEVHPGNASNFFHVAFQKIDILSFQGTSWE
PTQEAPLWVNLAIQVLNQDKWTRETVQWLLNGTCPQFVSGLLESGKSELKKQVKPKAWLSRGPSPGPGRLLLVCH
VSGFYKPKPVWVKWMRGEQEQQGTQPGDILPNADETWYLRATLDVVAGEAAGLSCRVKHSSLEGQDIVLYWGGSYT
SMGLIALAVLACLLFLLIVGFTSRFKRQTSYQGV

1223/2825
FIGURE 1086

CTCTCTCTCTATCTCTCTCAGAAATGACAATTCTAGGTACAACCTTTTGGCATGGTTTTTTCTTTACTTCAAGTCGT
TTCTGGAGAAAGTGGCTATGCTCAAAATGGAGACTTGGAAGATGCAGAACTGGATGACTACTCATTCTCATGCTA
TAGCCAGTTGGAAGTGAATGGATCGCAGCATTCACTGACCTGTGCTTTTGAGGACCCAGATGTCAACACCACCAA
TCTGGAATTTGAAATATGTGGGGCCCTCGTGGAGGTAAAGTGCCTGAATTTTCAGGAACTACAAGAGATATATTT
CATCGAGACAAAGAAATTTCTTACTGATTGGAAAGAGCAATATATGTGTGAAGGTTGGAGAAAAGAGTCTAACCTG
CAAAAAATAGACCTAACCACTATAGTTAAACCTGAGGCTCCTTTTGACCTGAGTGTCACTCTATCGGGAAGGAGC
CAATGACTTTTGTGGTGACATTTAATACATCACACTTGCAAAAGAAGTATGTAAAAGTTTAAATGCATGATGTAGC
TTACCGCCAGGAAAAGGATGAAAACAAATGGACGCATGTGAATTTATCCAGCACAAAGCTGACACTCCTGCAGAG
AAAGCTCCAACCGGCAGCAATGTATGAGATTAAAGTTTCGATCCATCCCTGATCACTATTTTAAAGGCTTCTGGAG
TGAATGGAGTCCAAGTTATTACTTCAGAACTCCAGAGATCAATAATAGCTCAGGGGAGATGGATCCTATCTTACT
AACCATCAGCATTTTGTAGTTTTTCTCTGTGCTCTGTTGGTCATCTTGGCCTGTGTGTTATGGAAAAAAGGAT
TAAGCCTATCGTATGGCCAGTCTCCCCGATCATAAGAAGACTCTGGAACATCTTTGTAAGAAACCAAGAAAAA
TTTAAATGTGAGTTTCAATCCTGAAAGTTTCCTGGACTGCCAGATTCATAGGGTGGATGACATTCAAGCTAGAGA
TGAAGTGAAGGTTTTCTGCAAGATACGTTTCCTCAGCAACTAGAAGAATCTGAGAAGCAGAGGCTTGGAGGGGA
TGTGCAGAGCCCCAACTGCCCATCTGAGGATGTAGTCGTCACCTCCAGAAAGCTTTGGAAGAGATTATCCCTCAC
ATGCCTGGCTGGGAATGTCAGTGCATGTGACGCCCCATTCTCTCTCTTCCAGGTCCCTAGACTGCAGGGAGAG
TGGCAAGAATGGGCCTCATGTGTACCAGGACCTCCTGCTTAGCCTTGGGACTACAAACAGCACGCTGCCCCCTCC
ATTTTCTCTCCAATCTGGAATCCTGACATTGAACCCAGTTGCTCAGGGTCAGCCCATTCTTACTTCCCTGGGATC
AAATCAAGAAGAAGCATATGTCACCATGTCCAGCTTCTACCAAACCCAGTGAAGTGTAAGAAACCCAGACTGAAC
TTACCGTGAGCGACAAAGATGATTTAAAAGGGAAGTCTAGAGTTCCTAGTCTCCCTCACAGCACAGAGAAGACAA
AATTAGCAAAACCCCACTACACAGTCTGCAAGATTCTGAAACATTGCTTTGACCACTCTTCTGAGTTCAGTGGC
ACTCAACATGAGTCAAGAGCATCCTGCTTCTACCATGTGGATTTGGTCACAAGGTTTAAAGGTGACCCAATGATTC
AGCTATTT

1224/2825
FIGURE 1087

MTILGTTFGMVFSLLQVVSGESGYAQNGLDLEDAELDDYSFSCYSQLEVNGSQHSLTCAFEDPDVNTTNLEFEICG
ALVEVKCLNFRKLQEIYFIETKKFLLIGKSNICVKVGEKSLTCKKIDLTITIVKPEAPFDLSVIYREGANDFVVTF
NTSHLQKKYVKVLMHDAVAYRQEKDENKWITHVNLSTKLTLQKRLQPAAMYEEKVRSIPDHYFKGFWSEWSPSY
FRTPEINNSSGEMDPILLTISILSFFSVALLVILACVLWKKRIKPIVWPSLPDHKKTLEHLCKKPRKNLNVSFNP
ESFLDCQIHRVDDIQARDEVEGFLODTFPQQLEESEKQRLGGDVQSPNCPSEDVVVTPESFGRDSSLTCLAGNVS
ACDAPILSSSRSLDCRESGKNQPHVYQDLLLLSLGTTNSTLPPFSLQSGILTLPVVAQGQPILTSLSNQEAYV
TMSSFYQNQ

1225/2825
FIGURE 1088A

GATACCCTTTACACTAGATTAGCAGGCAAACTATGATGGTTTGTGATATCCATGCTTGTAGAAGTAATAAGAAG
AAAGGGAACACAGAAGCTTTATTTTATAGTGGAGTCCTGACTCTAGGCCCTTAATAATTGCATGGTTTTGGAGTTT
TCTTGAAGTACAACCTAAGGACAGGTCACCACTAGGCACTAACATCGCTGACTTGCATGATTATGGAGATGGTCTA
TCTGATGCTGAAAAATGTCTCTAGTTTTTTTGACAACGGCTAAATAAACCATGGGATCAAGTGGCCTTGGGAAAGCAG
CAACATTAGATGAACTGCTGTGCACTTGCATTGAGATGTTTGTGATGACAATGGAGAGCTGGATAATAGTTATTTGC
CAAGAATAGTTCTACTGATGCACCGATGGTATTTATCTTCCACTGAATTGGCAGAAAACTTCTCTGCATGTATC
GAAATGCCACTGGAGAAAGCTGCAATGAATTTTCGATTAAAGATCTGCTACTTCATGAGGTACTGGATTCTGAAGT
TTCCTGCAGAGTTTTAATTTGGATCTTGGTTTTGATTTCGTATGACTGAGGAATTTTCGGGAAGTAGCTAGTCAACTAG
GATATGAAAAACACGTCAGCCTCATCGACATATCCAGCATTCCCTTCCTATGACTGGATGAGAAGAGTCACACAGA
GGAAAAAGTATCCAAGAAGGGAAAAGCCTGTCTGCTGTTTGACCATCTGGAGCCCATTGAATTGGCTGAGCACC
TCACTTTTCTGGAGCATAAATCTTTTAGAAGGATCTCATTCACTGATTACCAAAGCTATGTATCCATGGCTGCC
TGGAGAATAATCCAACCTTGGAAAGATCGATTGCTTTATTTAATGGAATCTCTAAGTGGGTCCAGTTGATGGTTC
TTAGCAAACCAACCCCCCAGCAAAGGGCAGAAGTCATCACAAGTTTATCAATGTTGCAAAGAAGCTCCTTCAGC
TCAAAAATTTTAACACCCTGATGGCAGTGGTGGGAGGCCTCAGTCATAGTTCCATTTACGCCTCAAAGAGACCC
ATTCTCATCTTTCTTCAGAAGTTACAAAGAACTGGAATGAAATGACAGAGTTGGTCTCCTCCAACGGCAATTACT
GCAATTACCGCAAGGCCTTTGCCGACTGCGATGGCTTCAAAAATCCCCATCCTTGGAGTACACTTGAAAGACTTGA
TAGCTGTCCATGTCAATTTTCCAGACTGGACAGAGGAGAAACAAAGTGAACATTGTGAAAATGCACCAGCTCTCCG
TTACCCCTGAGTGAAGTAGTCTCCCTGCAGAATGCCTCTCACCCTTAGAACCCAACATGGATTTGATCAACCTGC
TCACGCTTTCCCTGGACCTCTATCAGACTGAAGATGATATTTACAACTGTCACTGGTGTGAGGCCTAGAAATT
CTAAATCGCCTACCTCCCCCTACGACGCCCAACAAGCCTGTGGTACCCCTGGAGTGGGCATTAGGGGTGATGCCAA
AGCCAGACCCACGGTCACTCAACAAGCACATAAGGAAATTAGTGGAGTCTGTATTTAGAACTATGATCAGACC
ATGATGGGTACATTTCCCAAGAGGACTTTGAAAGTATAGCTGCCAATTTTCCCTTCTTGGATTCTTCTGTGTTT
TGGACAAAGATCAGGATGGCCTAATTAGTAAAGATGAAATGATGGCTTACTTCCTGAGAGCTAAATCCCAACTAC
ACTGTAAAAATGGGACCAGGATTTATCCATAATTTTCAGGAGATGACCTATCTCAAGCCAACCTTCTGCGAACACT
GTGCGGGATTTTCTCTGGGGCATAATCAAGCAAGGATACAAATGCAAAGACTGTGGAGCCAATTGTACAAAACAGT
GCAAAGACCTCCTGGTTCTGGCCTGCAGGAGATTTGCCCCGGGCGCCCTCCTTGAGCAGTGGTTCATGGGTCACTGC
CTGGAAGCCCCCTCGCTGCCCCCAGCGCAGGATGAGGTGTTTGAGTTCCCTGGAGTCACTGCTGGACACAGGGATT
TAGACAGCAGAGCCATCACACTGGTTACAGGCTCTTCTCGCAAGATCTCTGTGAGGCTACAGAGGGCCACCACCA
GCCAGGCCACCCAGACTGAACCTGTCTGGTCAGAGGCTGGCTGGGGGACTCGGGGTCCCACACCTTCCCTAAAA
TGAAATCCAAGTTCCATGACAAAGCAGCAAAGGACAAAGGCTTTGCCAAATGGGAAAATGAGAAGCCCAGGGTGC
ATGCTGGTGTGGATGTTGTAGACCGGGGCACGGAGTTTGAACCTTGACCAGGATGAAGGAGAAGAGACCAGACAGG
ATGGTGAGGATGGCTTGACTTTTCAGGCTGCGGAACTGAAGGCAATAATGTTGGCTTTTGGAAAGGGCAAGACGAGA
AACTCTGAAGAAAGCTCTGACTCTCAGGAAGTTATCTGGAAAGATACCTGGATGTTTACTGCCTTGGGACACTGT
GGGATCTCCATGTTTGGACTATGGGACAGAGAATTGACCCTAACTAACTATGAACATTTTATTTCTCTCCTCCCT
ACCCCTAGTTAAGTGCCACAAAGACTGTGTTATGTAGTCAGTACTTTTCTCATGTATCTTTCTCTAGACCATTTA
TATACGGGTGAAATGAAAGCTTTTTTGCATGTACTTGATACTCAGTCTGTAACTCAGACTTTGCTTTTTTTGTG
AGACTATCCTTTCAATATTTTTATAAACTTTTTGTGTGTGCTGTGGCAGGGAACAGTTAACAAGGAGTTTATTTAG
AGGGGTTTTTTTCATTTTTTTGTTTTTCTTGTGTTTTGTTTTGTTTTGTTTTGTTCTTCTTGGTGTGCTTTTTGGATG
GGACCAGAACTTAACATTTTCTGAGGACTAGGAAGCTCATCAGACACTGGAATGCAGTGATTCTTCTAATGATG
GTCAACTGCAAGGAGAACTGTTTACATCCTTCCCACTACACAGTTGCTATGATATGTAACAAGTCACACATGTA
TATATCACACAAGTCTTACCAATTCTGCGTCACTAGGAAGCTATAGCATGGTTCGTGAAAGCTCTCCTAATACTTA
CTTAAATAGCCATGGAAGAAAATTATGCTTGTCCCTTCTGACTGGGTAAAGCCATCTTTCTTAAGATTCTGGAAG
TAGAAAATAGCAATTAAGAAATTAATTCAAGTTTTTGACGGTTAACATTTAGCAGAAAAACAAACCATTGAATAAGC
TACTAGGTGAAATGCAAAACAACCATCAATTTTTTTAACTCAATAATTTGTGAAAAAAAACCACCACCAA
CTTTTGGTTGTAAAAGAGAACCCTTGTTCCTTCCCTAAGAACTGCCTTCCACAATTAAAGAATACTCATAGAAA
GAAAATAATCATAAATCATATTTGATTAAATTTTCAATTTAAGCTTTTAAATATCAATTTTTTAAATAGCTCCCA
TTTACCCAAAATAACTAGTTATGGGTCTATTTCTTCCATGATTAGAGGAGAGAGAACTTGATTCAAGATACTGAA
AAATAGAGCTGGGACTGAGCCTGTGAATGACAGGAATGATCTATTACCAGGTGACTAGTCGGAACTACACAGAG

1226/2825
FIGURE 1088B

GTGCACTGGTCTGCATTTGGGGGCTAAAGTGTATATATTCCATTTAAAAATGGAATTTGTTTGTATTTGGGGCAGT
CTTCAGTAAAGCCTTTCTCCTTTCTTTTCTCCATTGAGGACAGTTCTGCTCAGCAAAATTGTTGAGTACCTGTTC
TGGGCAGGTCCCACGCTATATGCACAAAGTTAAGAAAACTTGGTCTTAGCCCTTGGGAGCTGACAGCCCATGGG
CATTAAAGGCAAAGTAGTTCCAGTGATTTAAAATACGGTTCCAAATACGCTAAAACCAACTTGTGCCAACCAGATT
TACAGATTGGAAATACTGCAGATGATGTGAAGTTATCAGTTGGAGGAGCTGTGATTAAGCTGGATAATAAGAGAA
CGTGCCATCTGTAAAGCACTCAGAAGGCAGCCATCCCTAGATGTTGGTTTCATGTATATTACACTATCTACTACT
ATCCATAAATGCAATGATATGCATGTTAACAACATTAAAAACAGCAAACAGCAATCTAAGTACAGAAAAGCTCTT
TGTGTGTTTAAAAAAATTGAAGAAAATTCAGGAAGAAACGTGTTAATAAACATTGTACTGTTCTTTTGCTTCTCA
AAGG

1227/2825
FIGURE 1089

MGSSGLGKAATLDELLCTCIEMFDDNGELDNSYLPRIVLLMHRWYLSSTELAEKLLCMYRNATGESCNFRLKIC
YFMRYWILKFPAEFNLDLGLIRMTEEFREVASQLGYEKHVSLIDISSIPSYDWMRRVTQRKKVSKKGKACLLFDH
LEPIELAEHLTFLEHKSFRRIISFTDYQSYVIHGCLENNPTLERSIALFNGISKWVQLMVLSKPTPQQRAEVITKF
INVAKKLLQLKNFNTLMAVVGGLSHSSISRLKETHSHLSSEVTKNWNEMTELVSSNGNYCNYRKAFADCDGFKIP
ILGVHLKDLIAVHVIFPDWTEENKVNIVKMHQLSVTLSELVSLQNASHHLEPNMDLINLLTSLDLYHTEDDIYK
LSLVLEPRNSKSPTSPTPNKPVVPLEWALGVMPKPDPTVINKHIRKLIVESVFRNYDHDHDGYISQEDFESIAAN
FPFLDSFCVLDKDDGLISKDEMAYFLRAKSQLHCKMGPFIHNFQEMTYLKPTFCEHCAGFLWGIKQGYKCK
DCGANCHKQCKDLLVLACRRFARAPSLSSGHGSLPGSPSLPPAQDEVFEFFPGVTAGHRDLDRAITLVTGSSRKI
SVRLQRATTSQATQTEPVWSEAGWGDSGSHTFPKMKS FHDKAAKDKGFAKWENЕКPRVHAGVDVVDRGTEFELD
QDEGEETRQDGEDG

1228/2825
FIGURE 1090

GCCCAGACCTATGGATTGAAAGCGTGTGCTTTACCCATCTGCTGTCTTGCTCCATCTGAGACCAGAGCCAAGATC
TGCCCAGGACTGGAATGCTTTCCCGAGTGGCTTGAGTTGGAGCCTGGGACTAGGAGCAGCCTTATTGAGGTACAA
TTCATGTGCTTGTGGGTTTGGATGGCACAATCTGTGTCTGGGCTAAGGAAAGCAGACTTGGCACCAACATTAACC
CTGACAGATCCAGGCATCTATTCCAGGAAGTGAAGCCAAGCGCAACAGGTGCTTGGAGGTATCATCATGATCAGCC
CAGACCCCAGGCCCTCCCCTGGCTTGGCCCGGTGGGCTGAGAGCTATGAGGCCAAGTGTGAGCGCAGGCAAGAGA
TCCGTGAAAGCCGCCGTGCCGTCCCAATGTGACCACTTGCCGCCAGGTGGGGAAGACGCTGAGGATCCAACAGA
GAGAGCAGCTCCAGAGAGCTCGACTGCAGCAGTTCTTCAGGAGGAGGAACCTGGAGCTAGAGGAGAAGGGCAAAG
CGCAGCATCCCCAGGCCAGGGAGCAAGGGCCCTCCAGGCGGCCAGGACAGGTGACAGGCACCAGCTCTGAAGTCT
TTCCAGCCCAGCATCCTCCTCCCTCAGGCATCTGCAGGGATCTGTCTGACCACCTCTCCTCACAGGCTGGGGGCC
TTCTCCACAGGACACTCCCATCAAGAAGCCACCCAAACACCACCGTGGTACTCAGACAAAGGCAGAAGGACCAA
CAATTAAGAACGATGCCAGTCAGCAAACCAATTACGGAGTTGCAGTTCTGGATAAGGAAATCATCCAGCTTTCTG
ATTACCTCAAAGAGGCCCTACAAAGGGAGCTGGTCCTAAAACAGAAAATGGTGATTCTCCAAGACCTACTGTCCA
CTCTGATTCAGGCCTCTGACAGCTCTTGGAAGGGACAGCTTAATGAAGACAACTGAAGGGGAAACTGAGATCCT
TAGAAAACCAGCTATACACCTGTACCCAGAAATACTCCCCTTGGGGAATGAAAAAGTACTACTGGAGATGGAAG
ACCAGAAAAACAGCTATGAGCAGAAGGCCAAGGAGTCACTGCAGAAAGTGCTGGAGGAGAAAATGAATGCAGAGC
AGCAACTACAGAGCACACAGCGATCCCTGGCCCTGGCAGAGCAGAAGTGTGAAGAGTGGAGGAGCCAGTATGAGG
CTCTGAAGGAGGACTGGAGGACCCTTGGGACCCAGCACAGGGAGCTGGAGAGCCAACTCCACGTGCTTCAGTCCA
AACTGCAGGGAGCAGATAGCAGGGACTTACAGATGAACCAGGCCCTGCGATTTTTTGAAAATGAGCACCAGCAAC
TGCAGGCCAAGATTGAATGCCTGCAAGGGGACAGAGACCTGTGCAGCTTGGATACCCAGGACCTACAAGATCAAC
TAAAAAGGTCAGAGGCAGAGAAACTCACCTGGTGACCAGAGTACAGCAGTTGCAGGGTTTGCTTCAAAATCAAT
CCTTACAGCTTCAAGAACAGGAGAAACTCTTAACAAAGAAAAGATCAGGCTTTGCCCGTGTGGAGTCCAAAGTCCT
TCCCTAACGAAGTGGAGCCTGAGGGTACAGGGAAGGAGAAAAGACTGGGATCTCAGAGACCAGCTGCAAAAAGAAGA
CTTTGCAGCTCCAGGCCAAGGAAAAGGAGTGCAGAGAACTGCATTGAGAATTAGACAACCTCAGTGACGAGTATC
TCTCCTGCCTGCGTAAGCTGCAGCACTGTGAGAGAAGAGCTGAACCAGAGCCAGCAGCTGCCTCCCAGAAGGCAAT
GTGGGCGATGGCTCCCAGTGTGATGGTGGTGATTGCTGCAGCACTGGCAGTGTTTCTGGCCAATAAAGACAACC
TGATGATCTGAAATAATTTGTGACAACTGCCTTGGGTGAAAATCAGAAGCAAGCAACTCAGCGAAAAACTCAGAAG
GTTTGGGTACATTACAGCTTGGGTTTTTCCAAGTACTTAGGATTTCTGACTTTTTTATTAATTTCTTAACCTACTG
TAAATAAACTTCACCTGACCAGATTGTTCTCA

1229/2825
FIGURE 1091

MISPDPRPSPGLARWAESYEAKCERRQEIRESRRCRPNVTTTCRQVGKTLRIQQREQLQRARLQQFFRRRNLELEE
KGKAQHPQAREEQGPSRRPGQVTGTSSEVFPAQHPPPSGICRDLSDDLSSQAGGLPPQDTPIKKPPKHHRGTQTKA
EGPTIKNDASQQTNYGVAVLDEKIIQLSDYLKEALQRELVLKQKMVILQDLLSTLIQASDSSWKGQLNEDKLKGG
LRSLENQLYTCTQKYSWGMKKVLEMEDQKNSYEQKAKESLQKVLEEKMNAEQQQLQSTQSRSLALAEQKCEEWS
QYEALKEDWRTLTGTQHRELESQHLVLQSKLQGADSRDLQMNQALRFLENEHQQLQAKIECLQGDRDLCSLDTQDL
QDQLKRSEAEKLTIVTRVQQQLQGLLQNSQLQLQEQEKLITKKDQALPVWSPKSFPNEVEPEGTGKEKDWDLRDQL
QKKTLLQLQAKEKECRELHSELDNLSDEYLSCLRKLQHCREELNQSQQLPFRRQCGRWLPVLMVVIAAALAVFLAN
KDNLMI

1230/2825
FIGURE 1092

AGCTGCCCCGCTCGCGTGTGTACCCCCGCGCACTGAAGGAGGTCCACCAGCCCTCACCAGCCCCCGCGGACCGTG
CA**ATG**CCCCAGCGTAAGAATGCCAAGAGCAGCGGCAACAGCAGCAGCAGCGGCTCCGGCAGCGGTAGCACGAGTG
CGGGCAGCAGCAGCCCCGGGGCCCGGAGAGAGACAAAGCATGGAGGACACAAGAATGGGAGGAAAGGCGGACTCT
CAGGAACCTTCATTCTTCACGTGGTTTATGGTGATTGCATTGCTGGGCGTCTGGACATCTGTAGCTGTGCTTTGGT
TTGATCTTGTGACTATGAGGAAGTTCTAGGAAAACCTAGGAATCTATGATGCTGATGGTGATGGAGATTTTGATG
TGGATGATGCCAAAGTTTTATTAGGACTTAAAGAGAGATCTACTTCAGAGCCAGCAGTCCCGCCAGAAGAGGCTG
AGCCACACACTGAGCCCCGAGGAGCAGGTTCTGTGGAGGCAGAACCCAGAAATATCGAAGATGAAGCAAAAGAAC
AAATTCAGTCCCTTCTCCATGAAATGGTACACGCAGAACATGTTGAGGGAGAAGACTTGCAACAAGAAGATGGAC
CCACAGGAGAACCACAACAAGAGGATGATGAGTTTCTTATGGCGACTGATGTAGATGATAGATTTGAGACCTGG
AACCTGAAGTATCTCATGAAGAAACCGAGCATAGTTACCACGTGGAAGAGACAGTTTACAAGACTGTAATCAGG
ATATGGAAGAGATGATGTCTGAGCAGGAAAATCCAGATTCCAGTGAACCAGTAGTAGAAGATGAAAGATTGCACC
ATGATACAGATGATGTAACATACCAAGTCTATGAGGAACAAGCAGTATATGAACCTCTAGAAAATGAAGGGATAG
AAATCACAGAAGTAAGTCTCCCCCTGAGGATAATCCTGTAGAAGATTACAGGTAATTGTAGAAGAAGTAAGCA
TTTTTCTGTGGAAGAACAGCAGGAAGTACCACCAGAAACAAATAGAAAACAGATGATCCAGAACAAAAAGCAA
AAGTTAAGAAAAAGAAGCCTAAACTTTTTAAATAAATTTGATAAGACTATTAAAGCTGAACCTTGATGCTGCAGAAA
AACTCCGTAAAAGGGGAAAAATTGAGGAAGCAGTGAATGCATTTAAAGAACTAGTACGCAATACCTCAGAGTC
CACGAGCAAGATATGGGAAGGCGCAGTGTGAGGATGATTTGGCTGAGAAGAGGAGAAGTAATGAGGTGCTACGTG
GAGCCATCGAGACCTACCAAGAGGTGGCCAGCCTACCTGATGTCCCTGCAGACCTGCTGAAGCTGAGTTTGAAGC
GTCGCTCAGACAGGCAACAATTTCTAGGTCATATGAGAGGTTCCCTGCTTACCCTGCAGAGATTAGTTCAACTAT
TTCCAATGATACTTCCTTAAAAAATGACCTTGGCGTGGGATACCTCTTGATAGGAGATAATGACAATGCAAAGA
AAGTTTATGAAGAGGTGCTGAGTGTGACACCTAATGATGGCTTTGCTAAAGTCCATTATGGCTTCATCCTGAAGG
CACAGAACAAAAATTGCTGAGAGCATCCCATATTTAAAGGAAGGAATAGAATCCGAGATCCTGGCACTGATGATG
GGAGATTTTATTTCCACCTGGGGGATGCCATGCAGAGGGTTGGGAACAAAGAGGCATATAAGTGGTATGAGCTTG
GGCACAAGAGAGGACACTTTGCATCTGTCTGGCAACGCTCACTCTACAATGTGAATGGACTGAAAGCACAGCCTT
GGTGGACCCCCAAAAGAAACGGGCTACACAGAGTTAGTAAAGTCTTTAGAAAGAACTGGAAGTTAATCCGAGATG
AAGGCCCTTGCAAGTATGGATAAAGCCAAAGGTCTCTTCTGCTGAGGATGAAAACCTGAGGGAAAAAGGGGACT
GGAGCCAGTTACGCTGTGGCAGCAAGGAAGAAGAAATGAAAATGCCTGCAAAGGAGCTCCTAAACCTGTACCT
TACTAGAAAAGTTCCCCGAGACAACAGGATGCAGAAGAGGACAGATCAAATATTCCATCATGCACCCCCGGGACTC
ACGTGTGGCCGCACACAGGGCCCAAACTGCAGGCTCCGAATGCACCTGGGCTTGGTGATTTCCAAGGAAGGCT
GCAAGATTCGATGTGCCAACGAGACCAAGACCTGGGAGGAAGGCAAGGTGCTCATCTTTGATGACTCCTTTGAGC
ACGAGGTATGGCAGGATGCCTCATCTTTCCGGCTGATATTCATCGTGGATGTGTGGCATCCGGAACGACACCAC
AGCAGAGACGCAGCCTTCAGCAATTT**AG**CATGAATTCATGCAAGCTTGGGAAACTCTGGAGAGAGGCTGCCTTT
CTGGTTCCATCTCCTTGGGTGTGAGGATAGAATTCGAACACCAAGAGTCAA

1231/2825
FIGURE 1093

MAQRKNAKSSGNSSSSSGSGSGSTSAGSSSPGARRETKHGGHKNGRKGGLSGTSFFTWFMVIALLGVWTSVAVVWF
DLVDYEEVLGKLGIIYDADGDGDFDVDDAKVLLGLKERSTSEPAVPPEEAEPHTEPEEQVPVEAEPQNIIDEAKEQ
IQSLLHEMVHAEHVEGEDLQQEDGPTGEFQQEDDEFLMATDVDDRFTLEPEVSHEETEHSYHVEETVSQDCNQD
MEEMMSEQENPDSSEPVVEDERLHHDTDVITYQVYEEQAVYEPLENEGIEITEVTAPPEDNPVEDSQVIVEEVS
FPVEEQQEVPPETNRKTDDPEQKAKVKKKKPKLLNKFDKTIKAELDAAEKLKRGKIEEAVNAFKELVKYPQSP
RARYGKAQCEDDLAEKRRSNEVLRGAIETYQEVASLPDVPADLLKLSLKRRSDRQQFLGHMRGSLTLQRLVQLF
PNDTSLKNDLGVGYLLIGDNDNAKKVYEEVLSVTPNDGFAKVHYGFILKAQNKIAESIPYLKEGIESGDPGTDDG
RFYFHLGDAMQRVGNKEAYKWYELGHKRGHFASVWQSRSLYNVNLKAQPWWTPKETGYTELVKSLERNWKLIRDE
GLAVMDKAKGLFLPEDENLREKGDWSQFTLWQQGRNENACKGAPKTCTLLEKFPETTGCRRGQIKYSIMHPGTH
VWPHTGPTNCRMLRMHLGLVIPKEGCKIRCANETKTWEEGKVLIFDDSFHEVWQDASSFRLIFIVDVWHPELTPQ
QRRSLPAI

1232/2825
FIGURE 1094

GGGGGCCAAAGGGAAGTGCTGCGAGGTTTACAACCAGCTGCAGTGGTTTCGATGGGAAGGATCTTTCTCCAAGTGG
TTCTCTTGAGGGGAGCATTTCTGCTGGCTCCAGGACTTTGGCCATCTATAAAGCTTGGCAATGAGAAATAAGAA
AATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCCAACAAGCTGCTTTTACCAAATTGCAATGGAGCCTTTTCGA
AATCAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAACCTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCT
GCTCACCCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTCCGGGTCTGGAGATGTA
TTTCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCTTCTCCTTGCTGCAGTCAGCACACCCTGGAGAACA
CCTGGCTCAGGGTGCATCGAGGCTGCAAGTCTGCAGGCCCAACTCACCTGGGTCCGCGTCAGCCATGAGCACTT
GCTGCAGCGGGTAGACAACCTTCACTCAGAACCAGGGATGTTTCAAGATCAAAGGTGAACAAGGCGCCCCAGGTCT
TCAAGGCCACAAGGGGGCCATGGGCATGCCCTGGTGGCCCTGGCCCCCGGGACCACCTGCTGAGAAGGGAGCCAA
GGGGGCTATGGGACGAGATGGAGCAACAGGCCCTCGGGACCCCAAGGCCACCGGGAGTCAAGGGAGAGGGCGGG
CCTCCAAGGACCCCAAGGTGCTCCAGGGAAGCAAGGAGCCACTGGCACCCAGGACCCCAAGGAGAGAAGGGCAG
CAAAGGCGATGGGGGTCTCATTGGCCCCAAAGGGGAACTGGAACCTAAGGGAGAGAAAGGAGACCTGGGTCTCCC
AGGAAGCAAAGGGGACAGGGGCATGAAAGGAGATGCAGGGGTGCTGGGGCCTCCTGGAGCCCAGGGGAGTAAAGG
TGACTTCGGGAGGCCAGGCCACCAGGTTTGGCTGGTTTTCTGGAGCTAAAGGAGATCAAGGACAACCTGGACT
GCAGGGTGTTCGGGGCCCTCCTGGTGCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGTGGCTCCCC
TGGGCGAGCAGGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACAGGCCTGAAAGGAAGCAAAGGGGACACAGG
ACTTCAAGGACAGCAAGGAAGAAAAGGAGAATCAGGAGTTCCAGGCCCTGCAGGTGTGAAGGGAGAACAGGGGAG
CCCAGGGCTGGCAGGTCCCAAGGGAGCCCCTGGACAAGCTGGCCAGAAGGGAGACCAGGGAGTGAAGGATCTTC
TGGGGAGCAAGGAGTAAAGGGAGAAAAAGGTGAAAGAGGTGAAAACTCAGTGTCCGTCAGGATTGTGGCAGTAG
TAACCGAGGCCGGGCTGAAGTTTACTACAGTGGTACCTGGGGGACAATTGCGATGACGAGTGGCAAAATTCTGA
TGCCATTGTCTTCTGCCGATGCTGGGTTACTCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCA
GATCTGGCTGGATAATGTTTCAGTGTGCGGGCACGGAGAGTACCCTGTGGAGCTGCACCAAGAATAGCTGGGGCCA
TCATGACTGCAGCCACGAGGAGGACGCAGGCGTGGAGTGCAGCGCTCTGACCCGGAACCCCTTTCACTTCTCTGCT
CCCGAGGTGTCTCGGGCTCATATGTGGGAAGGCAGAGGATCTCTGAGGAGTTCCCTGGGGACAACCTGAGCAGCC
TCTGGAGAGGGGCCATTAATAAAGCTCAACATCAAAAAAAAAAAGAAAAAAAAAAAAAAAAAAAA

1233/2825
FIGURE 1095

MRNKKILKEDELLSETQQAAFHQIAMEPFEINVPKPKRRNGVNFSLAVVVIYLILLTAGAGLLVVQVLNLQARLR
VLEMYFLNDTLAAEDSPSFSLLQSAHPGEHLAQGASRLQVLQAQLTWVRVSHEHLLQRVDNFTQNPGMFRIKGEQ
GAPGLQGHKGAMGMPGAPGPPGPPAEKGAKGAMGRDGATGPSGPQGPPGVKGEAGLQGPQGAPGKQGATGTPGPQ
GEKGSKGDGGLIGPKGETGTKGEKGDGLPGSKGDRGMKGDAGVMGPPGAQGSKGDGFRPGPPGLAGFPGAKGDQ
GQPGLQGVPGPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGSPGATGLKGSKGDGTLQGQQGRKGESGVPGPAGVK
GEQGSPLAGPKGAPGQAGQKGDQGVKGSSGEQGVKGEKGERGENSVSVRIVGSSNRGRAEVYYSGTWGTICDDE
WQNSDAIVFCRMLGYSKGRALYKVGAGTGQIWLDNVQCRGTESTLWSCTKNSWGHHDCSHEEDAGVECSV

1234/2825
FIGURE 1096A

CTGCAGGAAGGAGAGAGGAAGAGGAGCAGAAGGGGGCAGCAGCGGACGCCGCTAACGGCCTCCCTCGGCGCTGAC
AGGCTGGGCGCGCGCCCGGCTCGCTTGGGTGTTTCGCGTCGCCACTTTCGGCTTCTCGGCCGGTCGGGCCCCCTCGGC
CCGGGCTTGCGGCGCGCGTCGGGGCTGAGGGCTGCTGCGGCGCAGGGAGAGGCCTGGTCCTCGCTGCCGAGGGAT
GTGAGTGGGAGCTGAGCCCACTGGAGGGCCCCGAGGGCCCCAGCCTGGAGGTCGTTTCAGAGCCGTGCCCGCCC
CGGGGCTTCGCGAGACCTTGACCCGCCGGGTAGGAGCCGCCCTGCGGGCTCGAGGGCGCGCTCTGGTCGCCCGAT
CTGTGTAGCCGGTTTCAGAAGCAGGCAACAGGAACAAGATGTGAACCTGTTTCTTCTGAGAAAAAGAGGCTCT
TCCTCCTCCTCCCGCGACGGCAAATGTTCTGAAAAAGACTCTGCATGGGAATGGCCTGCCTTACGATGACAGAAA
TGGAGGGAACATCCACCTCTTCTATATATCAGAATGGTGATATTTCTGGAATGCCAATTCATGAAGCAAATAG
ATCCAGTTCTTCAGGTGTATCTTTACCATTCCCTTGGGAAATCTGAGGCAGATTATCTGACCTTTCCATCTGGGG
AGTATGTTGCAGAAGAAATCTGTATTGCTGCTTCTAAAGCTTGTGGTATCACACCTGTGTATCATAATATGTTTG
CTTTAATGAGTGAAACAGAAAGGATCTGGTATCCACCCAACCATGTCTTCCATATAGATGAGTCAACCAGGCATA
ATGTACTCTACAGAATAAGATTTTACTTTCTCGTTGGTATTGCAGTGGCAGCAACAGAGCCTATCGGCATGGAA
TATCTCGAGGTGCTGAAGCTCCTCTTCTTGATGACTTTGTCTGTCTTACCTCTTTGCTCAGTGGCGGCATGATT
TTGTGCACGGATGGATAAAAGTACCTGTGACTCATGAAACACAGGAAGAATGTCTTGGGATGGCAGTGTAGATA
TGATGAGAATAGCCAAAGAAAACGATCAAACCCCACTGGCCATCTATAACTCTATCAGCTACAAGACATTCTTAC
CAAAATGTATTTCGAGCAAAGATCCAAGACTATCATATTTTGACAAGGAAGCGAATAAGGTACAGATTTTCGAGAT
TTATTTCAGCAATTCAGCCAATGCAAAGCCACTGCCAGAACTTGAACTTAAGTATCTTATAAATCTGGAACTC
TGCAGTCTGCCTTCTACACAGAGAAATTTGAAGTAAAAGAACCTGGAAGTGGTCCTTCAGGTGAGGAGATTTTGTG
CAACCATTATAAATACTGGAACGGTGGAAATTCAGTGGTCAAGAGGGAAACATAAAGAAAGTGAGACACTGACAG
AACAGGATTTACAGTTATATTGCGATTTTCTAATATTATTGATGTCAGTATTAAGCAAGCAAACCAAGAGGGTT
CAAATGAAAGCCGAGTTGTAACCTATCCATAAGCAAGATGGTAAAAATCTGGAATTTGAACCTAGCTCATTAAGGG
AAGCTTTGTCTTTTCGTGTCTTAATTGATGGATATTATAGATTAACCTGCAGATGCACATCATTACCTCTGTAAAG
AAGTAGCACCTCCAGCCGTGCTTGAAAATATACAAAGCAACTGTCATGGCCCAATTTTCATGGATTTTGCCATTA
GTAAACTGAAGAAAGCAGGTAATCAGACTGGACTGTATGTACTTCGATGCAGTCCTAAGGACTTTAATAAATATT
TTTTGACTTTTGCTGTGCGAGCGAGAAAATGTCATTGAATATAAAACACTGTTTGATTACAAAAATGAGAATGAAG
AGTACAACCTCAGTGGGACAAAGAAGAACTTCAGCAGTCTTAAAGATCTTTTGAATTGTTACCAGATGGAAACTG
TTCGCTCAGACAATATAATTTTCCAGTTTACTAAATGCTGTCCCCCAAAGCCAAAAGATAAATCAAACCTTCTAG
TCTTCAGAACGAATGGTGTCTTCTGATGTACCAACCTCACCAACATTACAGAGGCCTACTCATATGAACCAAATGG
TGTTTCACAAAATCAGAAATGAAGATTTGATATTTAATGAAAGCCTTGCCCAAGGCCTTTTACAAAGATTTTAA
AAGGCGTACGAAGAGAAGTAGGAGACTACGGTCAACTGCATGAAACAGAAGTTCTTTTAAAGTTCTGGATAAAG
CACACAGAACTATTTCAGAGTCTTTCTTTGAAGCAGCAAGTATGATGAGCAAGCTTTCTCACAAGCATTGTGGTTT
TAAATTATGGAGTATGTGCTGTGGAGACGAGAATATTCTGGTTCAGGAGTTTGTAATAATTGGATCACTAGATA
CATATCTGAAAAAGAATAAAAATTGTATAAATATATTATGGAACTTGAAAGTTGCTAAACAGTTGGCATGGGCCA
TGCATTTTCTAGAAGAAAACACCCTTATTTCATGGAATGTATGTGCCAAAAATATTCTGCTTATCAGAGAAGAAG
ACAGGAAGACAGGAAATCCTCCTTTCATCAAACCTTAGTGATCCTGGCATTAGTATTACAGTTTTTGCCAAAGGACA
TTCTTCAGGAGAGAATACCATGGGTACCACCTGAATGCATTGAAAATCCTAAAAATTTAAATTTGGCAACAGACA
AATGGAGTTTTTGGTACCCTTTGTGGGAAATCTGCAGTGGAGGAGATAAACCTCTAAGTGCTCTGGATTCTCAA
GAAAGCTACAATTTTATGAAGATAGGCATCAGCTTCTTCGACCAAAGTGGGCAGAATTAGCAAACCTTATAAATA
ATTGTATGGATTATGAACCAGATTTTCAGGCCTTCTTTTCAGAGCCATCATACGAGATCTTAACAGTTTGTACTC
CAGATTATGAACTATTAACAGAAAATGACATGTTACCAAATATGAGGATAGGTGCCCTAGGGTTTTCTGGTGCT
TTGAAGACCGGGATCCTACACAGTTTGAAGAGAGACATTTGAAATTTCTACAGCAACTTGGCAAGGGTAATTTTG
GGAGTGTGGAGATGTGCCGGTATGACCCTCTACAGGACAACACTGGGGAGGTGGTCGCTGTAAAAAGCTTCAGC
ATAGTACTGAAGAGCACCTAAGAGACTTTTGAAAGGGAAATTTGAAATCCTGAAATCCCTACAGCATGACAACATTG
TAAAGTACAAGGGAGTGTGCTACAGTGTGGTCGGCGTAATCTAAATTAATTATGGAATATTTACCATATGGAA
GTTTACGAGACTATCTTCAAAAACATAAAGAACGGATAGATCACATAAACTTCTGCAGTACACATCTCAGATAT
GCAAGGGTATGGAGTATCTTGGTACAAAAGGTATATCCACAGGGATCTGGCAACGAGAAATATATTGGTGGAGA
ACGAGAACAGAGTTAAATTTGGAGATTTTGGGTTAACCAGAGTCTTGCCACAAGACAAAGAATACTATAAAGTAA
AAGAACCTGGTGAAAGTCCCATATTCTGGTATGCTCCAGAATCACTGACAGAGAGCAAGTTTTCTGTGGCCTCAG

1235/2825
FIGURE 1096B

ATGTTTGGAGCTTTGGAGTGGTTCTGTATGAACTTTTCACATACATTGAGAAGAGTAAAAGTCCACCAGCGGAAT
TTATGCGTATGATTGGCAATGACAAACAAGGACAGATGATCGTGTTCCATTTGATAGAACTTTTGAAGAATAATG
GAAGATTACCAAGACCAGATGGATGCCCAGATGAGATCTATATGATCATGACAGAATGCTGGAACAATAATGTAA
ATCAACGCCCTCCTTTAGGGATCTAGCTCTTCGAGTGGATCAAATAAGGGATAACATGGCTGGATGAAAGAAAT
GACCTTCATTCTGAGACCAAAGTAGATTTACAGAACAAAGTTTTATATTTACATTGCTGTGGACTATTATTACA
TATATCATTATTATATAAATCATGATGCTAGCCAGCAAAGATGTGAAAATATCTGCTCAAAACTTTCAAAGTTTA
GTAAGTTTTTCTTCATGAGGCCACCAGTAAAAGACATTAATGAGAATTCCTTAGCAAGGATTTTGTAAAGAGTTT
CTTAAACATTGTCTGTTAACATCACTCTTGTCTGGCAAAGAAAAAAATAGACTTTTTCAACTCAGCTTTTTGA
GACCTGAAAAAATTATTATGTAAATTTTGCAATGTTAAAGATGCACAGAATATGTATGTATAGTTTTTACCACAG
TGGATGTATAATAACCTTGGCATCTTGTGTGATGTTTTACACACATGAGGGCTGGTGTTCATTAATACTGTTTTCT
AATTTTTCCATAGTTAATCTATAATTAATTACTTCACTATACAAACAAATTAAGATGTTTCAGATAATTGAATAAG
TACCTTTGTGTCCTTGTTCACTTTATAICGCTGGCCAGCATTATAAGCAGGTGTATACTTTTAGCTTGTAGTTCCA
TGTAAGTAAATATTTTTCACATAAAGGGAACAAATGTCTAGTTTTATTTGTATAGGAAATTTCCCTGACCCTAA
ATAATACATTTTGAAATGAAACAAGCTTACAAAGATATAATCTATTTTATTATGGTTTCCCTTGTATCTATTTGT
GGTGAATGTGTTTTTTAAATGGAAGTATCTCCAAATTTTCTAAGACTACTATGAACAGTTTTCTTTTAAATTT
TGAGATTAAGAATGCCAGGAATATTGTCATCCTTTGAGCTGCTGACTGCCAATAACATTCTTCGATCTCTGGGAT
TTATGCTCATGAACTAAATTTAAGCTTAAGCCATAAAATAGATTAGATTGTTTTTTTAAATGGATAGCTCATT
AGAAGTGCAGCAGGTAAAGATTTTTCCTAAAGACTGTATATTTGAGGGGTTTCAGAATTTTGCAATTGCAGTCA
TAGAAGAGATTTATTTCTTTTTAGAGGGGAAATGAGGTAAATAAGTAAAAAGTATGCTTGTTAATTTTATTCA
AGAATGCCAGTAGAAAATTCATAACGTGTATCTTTAAGAAAAATGAGCATACATCTTAAATCTTTTCAATTA

1236/2825
FIGURE 1097

MGMACLTMTMEEGTSTSSIIYQNGDISGNANSMKQIDPVLQVYLYHSLGKSEADYLTFFPSGEYVAEEICIAASKAC
GITPVYHNMFALMSETERIWYPNHFHIDESTRHNVLYRIRFYFPRWYCSGSNRAYRHGISRGAEAPLLDDFVM
SYLFAQWRHDFVHGVIKVPVTHETQEECLGMAVLDMMRIAKENDQTPLAITYNSISYKTFPLPKCIRAKIQDYHILT
RKRIYRFRRFIQQFSQCKATARNLKLKYLINLETLSAFYTEKFEVKEPGSGPSGEEIFATIIITGNGGIQWSR
GKHKESETLTEQDLQLYCDFPNIIDVSIKQANQEGSNESRVVTIHKQDGKNLEIELSSLREALSFVSLIDGYRL
TADAHHYLCKEVAPPVLENIQSNCHGPISMDFAISKLLKAGNQTLGYVLRCSPKDFNKYFLTFFAVERENVIEYK
HCLITKNENEYNLSGTKKNFSSLKDLLNCYQMETVRSDNIIFQFTKCCPPKPKDKSNLLVFRTNGVSDVPTSPT
LQRPTHMNQMVFHKIRNEDLIFNESLGQGTFTKIFKGVRRVGDYQGLHETEVLLKVLDKAHRNYSSESFFEAASM
MSKLSHKHLVLNYGVCVCGDENILVQEFVKFGSLDTYLLKKNKNCINILWKLEVAKQLAWAMHFLEENTLIHGNVC
AKNILLIREEDRKTGNPPFIKLSDPGISITVLPKDILQERIPWVPPECIENPKNLNLATDKWSFGTTLWEICSGG
DKPLSALDSQRKLQFYEDRHQLPAPKWAEANLINNCMDYEPDFRPSFRAIIRDNLNLSFTPDYELLTENDMLPNM
RIGALGFSGAFEDRDPTQFEERHLKFLQQLGKGNFGSVEMCRYDPLQDNTGEVVAVKKLQHSTEEHLRDFEREIE
ILKSLQHDNIVKYKVCYSAGRRNLKLIMEYLPYGSLRDYLOKHKERIDHIKLLQYTSQICKGMEYLGTKRYIHR
DLATRNLVENENRVKIGDFGLTKVLPQDKEYYKVKEPGESPIFWYAPESLTESKFSVASDVWSFGVVLYELFTY
IEKSKSPPAEFMRMIGNDKQGQMIVFHLLIELLKNNGRLPRPDGCPDEIYMIMTECWNNNVNQRP SFRDLALRVDQ
IRDNMAG

1237/2825
FIGURE 1098

ACCACTGCTGGCTTTTTGCTGTAGCTCCACATTCTGTGCATTGAGGGGTAAACATTAGGCTGGGAAGATGACAA
AACTTGAAGAGCATCTGGAGGGAATTGTCAATATCTTCCACCAATACTCAGTTCGGAAGGGGCATTTTGACACCC
TCTCTAAGGGTGAGCTGAAGCAGCTGCTTACAAAGGAGCTTGCAAACACCATCAAGAATATCAAAGATAAAAGCTG
TCATTGATGAAATATTCCAAGGCCTGGATGCTAATCAAGATGAACAGGTCGACTTTCAAGAATTCATATCCCTGG
TAGCCATTGCGCTGAAGGCTGCCATTACCACACCCACAAAGAGTAGGTAGCTCTCTGAAGGCTTTTTACCCAGC
AATGTCCTCAATGAGGGTCTTTTCTTCCCTCACCAAACCCAGCCTTGCCCGTGGGGAGTAAGAGTTAATAAAC
ACACTCACGAAAAGTT

1238/2825
FIGURE 1099

MTKLEEHLEGIVNIFHQYSVRKGHFDTLKSGELKQLLTKE
LANTIKNIKDKAVIDEIFQGLDANQDEQVDFQEFISLVAIALKAAHYH
THKE

1239/2825
FIGURE 1100

AGCGGGAAAAAACTTATCTGAGGTTGGAAATAAAGAGAAGGTGACATTGGAGCGGATAGAAAGGAAGAAACGG
CGTGGGATCTGGGAATGAGGCAGTGGGTGGAGAGAGAATGGGGAGACGACAGAGGATGAAGGGCAGCTGAGTGTG
TCTGCGGGAGAAGGACCAAAGCAATCTGGGCGGAGCAGGTGGCAGAGGCAGCCGCGGAGGAGGCCAGGGAACTG
ACGGGGATGCTCAGCCAGGCCCAGAGGATGCGCCCTGGCAGTCCCGGAAGACACCAGGAAAACAAGCAGGAACCG
TAGCTAGGACTGGGGTGGCCAGGCCCAGGAAATCCATGAAGGGGCACAGACAGCGGGTCTCTGCTGCCGCCGCCGAT
GCGACTTTGGCTGCTGCTGTCTGCGCGTCCCGCCGGGCTCACTACACGCCTTACCGGTCCGGGGACGCGACGCGAA
CCCCCTCAGTCCCCACGGCAGACCCCCGAGCCGGGAAAGACGGCGCCCCGGAGCCAGCCGGGAGCTGGGCAGCAGCGG
CCGAGGAGGAAGAAGCAGCTGCGGCGGCCACACCCTGGATGAGAGATTATTTTGCAGAGGATGATGGGGAGATGG
TACCCAGAACGAGTCACACAGCAGCTTTTCTTAGTGACACTAAAGATCGAGGCCCTCCAGTGCAGTCACAGATCT
GGAGAAGTGGTGAAAAGGTCCCGTTTGTGCAGACATATTCCTTGAGAGCATTGAGAAACCCCCCTCAGGTACAGA
CCCAGGCTCTTCGAGACTTTGAGAAGCACCTCAATGACCTGAAGAAGGAGAACTTCAGCCTCAAGCTGCGCATCT
ACTTCCTGGAGGAGCGCATGCAACAGAAGTATGAGGCCAGCCGGGAGGACATCTACAAGCGGAACACTGAGCTGA
AGGTTGAAGTGGAGAGCTTGAAACGAGAACTCCAGGACAAGAAACAGCATCTGGATAAAACATGGGCTGATGTGG
AGAATCTCAACAGTCAGAATGAAGCTGAGCTCCGACGCCAGTTTGAGGAGCGACAGCAGGAGACGGAGCATGTTT
ATGAGCTCTTGAGAATAAGATGCAGCTTCTGCAGGAGGAATCCAGGCTAGCAAAGAATGAAGCTGCGCGGATGG
CAGCTCTGGTGGAAGCAGAGAAGGAGTGTAACTGGAGCTCTCAGAGAACTGAAGGGAGTCACCAAAAACCTGGG
AAGATGTACCAGGAGACCAGGTCAAGCCCGACCAATACACTGAGGCCCTGGCCCAGAGGGACAAGTAGTGCCTT
CGGTGCTCTTTTTGTCGCTTGTCTTTTGGCCATTCTCAAGGCATACAGCAGCTGTCTGTTCCTTTTCAAGGACT
GACAGTAGGAGCTTCACTATTTCTAAGACTTTATGGGCCACAACCGAAGACATTCTTTTCAGGGTTGAATTTTC
AGTGGTATCCATTATGAAAACCTCACTTCATGGATTCACTGGGCAAATAGCGGCAAGCAAGAGACATGGATTCACT
TATTCAGCAAACATTTACTGGGCATGCCACATGCCAGATACCGGGCTAAGTATCTGGCATGTGTTACAGAAACAA
AAGACCTAAATCTTGTACCAAGAAACATGTTACATGATTTTAATAAGTTCCCTGATAGAAGAGCATGGGGTGCT
CTGGGGAAATATTGGAGGGTCATCCATTCCACATTAAAAGAGCAAGTTGCCAAAAAAAAAAAAAAAAAAAA

1240/2825
FIGURE 1101

MKGTDSGSCRRRCDFGCCRASRRAHYTPYRSGDATRTPQSPRQTPSRERRRPEPAGSWAAAAEEEEAAAAATP
WMRDYFAEDDGEMVPRTSHTAAFLSDTKDRGPPVQSQIWRSGEKVPFVQTYSLRAFEKPPQVQTQALRDFEKHLN
DLKKENFSLKLRIYFLEERMQQKYEASREDIYKRNTTELKVEVESLKRELQDKKQHLDKTDWADVENLNSQNEAELR
RQFEERQQETEHVYELLENKMQLLQEE SRLAKNEAARMAALVEAEKECNLELSEKLKGVTKNWEDVPGDQVKPDQ
YTEALAQRDK

1241/2825
FIGURE 1102A

GGCAGGGCACACCTGGATTGCATTAGAATGAGACTCACTACCCAGTTCAGGTGTGTTGCGTTGTGGGTCTCCGGC
ACATTTTCAGAGGCTGATTAGGACCCTGACCCACACTGGGGTTTACACCCCTAAAAGCAGGTGTGTCCCGTGGCA
ACTGAGTGGGTGCGTGAAAAGGGGGGATCATCAATTACCAGCTGGAGCAATCGAATCGGTTAAATGTGAATCAAG
TCACAGTGCTTCCTTAACCCAACCTCTCTGTTGGGGTCAGCCACAGCCTAAACCGCCTGCCGTTTCAGCCTGAGAG
GCTGCTGCTAGCCTGCTCACGCATGCAGCCCCGGGCTGCAGAGGAAGTGTGGGGAGGAAGGAAGTGGGTATAGAAG
GGTGCTGAGATGTGGGTCTTGAAGAGAATAGCCATAACGTCTTTGTCACTAAAATGTTCCCCAGGGGCCCTTCGGC
GAGTCTTTTTGTTTGGTTTTTTTGTAAAACTCTGTGGCTCTTGATAATTTATCTAGTGGTTGCCTACACCTGAAA
AACAAGACACAGTGTAACTATCAACGAAAGAACTGGACGGCTCCCCGCCGAGTCCCACTCCCCGAGTTTGTG
GCTGGCATTGTTGGGCCACGCCGGGCTGGGCGGCTCACAGCGAGGGGCGCGCAGTTTGGGGTCACACAGCTCCGCTT
CTAGGCCCAACCACCGTTAAAGGGGAAGCCCGTGCCCATCAGGTCCGCTCTTGCTGAGCCCAGAGCCATCCC
GCGCTCTGCGGGCTGGGAGGCCCGGGCCAGACGCGAGTCTGCGCAGCCGAGGTTCCCCAGCGCCCCCTGCAGCC
GCGCGTAGGCAGAGACGGAGCCCGGCCCTGCGCCTCCGCACCACGCCCGGACCCACCCAGCGGCCCGTACCCG
GAGAAGCAGCGCAGACCCGAAGCTCCCGGCTCGGCGGCAGAAACCGGGAGTGGGGCCGGGCGAGTGCAGCGCA
TCCCAGGCCGGCCGAACGTCCGCCCGCGGTGGGCCGACTTCCCCCTCTCTTCCCTCTCTCTCTCTTCTTACCCG
CTGGCGCCGACACGCTGCGCCTCATCTCTTGGGGCGTTCTTCCCCGTGGCCAACCGTCGCATCCCGTGCAACT
TTGGGGTAGTGGCCGCTTAGTGTGAATGTTTCCCCACCGAGAGCGCATGGCTTGGGAAGCGAGGCGGAACCCGG
GCCCCGAAGCCGCCGTCCGGGAGACGGTGATGCTGTGTGCTGTGCCGTGGGGTCCCGACCGGCCGCCCTACAACG
TGGACACTGAGAGCGCGCTGCTTTACCAGGGCCCCACAACACGCTGTTCCGCTACTCGGTGCTGCTGCACAGCC
ACGGGGCGAACCAGTGGCTCCTAGTGGGTGCGCCCACTGCCAACTGGCTCGCCAACGCTTCAGTGATCAATCCCG
GGGCGATTACAGATGCAGGATCGGAAAGAATCCCGGCCAGACGTGCGAACAGCTCCAGCTGGGTAGCCCTAATG
GAGAACCTTGTGGAAGACTTGTGTTGGAAGAGAGAGACAATCAGTGGTTGGGGGTCACACTTTCCAGACAGCCAG
GAGAAAAATGGATCCATCGTGACTTGTGGGCATAGATGGAAAAATATATTTTACATAAAGAATGAAAAATAAGTCC
CCACTGGTGGTTGCTATGGAGTGCCCCCTGATTTACGAACAGAAGTGAAGTAAAGAATAGCTCCGTGTTATCAAG
ATTATGTGAAAAAATTTGGAGAAAATTTTGCATCATGTCAAGCTGGAATATCCAGTTTTTACACAAAGGATTTAA
TTGTGATGGGGGCCCCAGGATCATCTTACTGGACTGGCTCTCTTTTTGTCTACAATATAACTACAAATAAATACA
AGGCTTTTTTTAGACAAACAAAATCAAGTAAAATTTGGAAGTTATTTAGGATATTCAGTCGGAGCTGGTCAATTTT
GGAGCCAGCATACTACCGAAGTAGTCGGAGGAGCTCCTCAACATGAGCAGATTGGTAAGGCATATATATTCAGCA
TTGATGAAAAAGAACTAAATATCTTACATGAAATGAAAGGTAAAAAGCTTGGATCGTACTTTGGAGCTTCTGTCT
GTGCTGTGGACCTCAATGCAGATGGCTTCTCAGATCTGCTCGTGGGAGCACCCATGCAGAGCACCATCAGAGAGG
AAGGAAGAGTGTGTTGTACATCAACTCTGGCTCGGGAGCAGTAATGAATGCAATGGAACAAACCTCGTTGGAA
GTGACAAATATGCTGCAAGATTTGGGAATCTATAGTTAATCTTGGCGACATTGACAATGATGGCTTTGAAGATG
TTGCTATCGGAGCTCCACAAGAAGATGACTTGCAAGGTGCTATTTATATTTACAATGGCCGTGCAGATGGGATCT
CGTCAACCTTCTCACAGAGAATTGAAGGACTTCAGATCAGCAAATCGTTAAGTATGTTTGGACAGTCTATATCAG
GACAAATTGATGCAGATAATAATGGCTATGTAGATGTAGCAGTTGGTGTCTTTCCGTCTGATTCTGCTGTCTTGC
TAAGGACAAGACCTGTAGTAATTGTTGACGCTTCTTTAAGCCACCCTGAGTCAGTAAATAGAACGAAATTTGACT
GTGTTGAAAAATGGATGGCCTTCTGTGTGCATAGATCTAACACTTTGTTTCTCATATAAGGGCAAGGAAGTTCCAG
GTTACATTGTTTTGTTTTATAACATGAGTTTGGATGTGAACAGAAAGGCAGAGTCTCCACCAAGATTCTATTTCT
CTTCTAATGGAACCTTCTGACGTGATTACAGGAAGCATAACAGGTGTCCAGCAGAGAAGCTAACTGTAGAACACATC
AAGCATTTATGCGGAAAGATGTGCGGGACATCCTCACCCCAATTCAGATTGAAGCTGCTTACCACCTTGGTCCTC
ATGTCATCAGTAAACGAAGTACAGAGGAATTCACCACTTCAGCCAATTCCTCAGCAGAAGAAAGAAAAAGACA
TAATGAAAAAACAATAAATTTGCAAGGTTTTGTGCCCCATGAAAATTGTTCTGTGCTGATTTACAGGTTTCTGCAA
AGATTGGGTTTTTGAAGCCCCATGAAAATAAAACATATCTTGCTGTTGGGAGTATGAAGACATTGATGTTGAATG
TGTCTTGTGTTAATGCTGGAGATGATGCATATGAAACGACTCTACATGTCAAACCTACCCGTGGGTCTTTATTTCA
TTAAGATTTTGTAGCTGGAAGAGAAGCAAATAAACTGTGAAGTCACAGATAACTCTGGCGTGGTACAACCTTGACT
GCAGTATTGGCTATATATATGTAGATCATCTCTCAAGGATAGATATTAGCTTTCTCCTGGATGTGAGCTCACTCA
GCAGAGCGGAAGAGGACCTCAGTATCACAGTGCATGCTACCTGTGAAAATGAAGAGGAAATGGACAATCTAAAGC
ACAGCAGAGTGAAGTAGCAATACCTTTAAAATATGAGGTTAAGCTGACTGTTTCATGGGTTTGTAAACCAACTT
CATTTGTGTATGGATCAAATGATGAAAATGAGCCTGAAACGTGCATGGTGGAGAAAATGAACCTTAACCTTCCATG

1242/2825
FIGURE 1102B

TTATCAACACTGGCAATAGTATGGCTCCCAATGTTAGTGTGGAAATAATGGTACCAAATTCCTTTAGCCCCCAA
CTGATAAGCTGTTCAACATTTTGGATGTCCAGACTACTACTGGAGAATGCCACTTTGAAAATTATCAAAGAGTGT
GTGCATTAGAGCAGCAAAAGAGTGCAATGCAGACCTTGAAAGGCATAGTCCGGTTCTTGTCCAAGACTGATAAGA
GGCTATTGTACTGCATAAAAGCTGATCCACATTGTTTAAATTTCTTGTGTAATTTTGGGAAAAATGGAAAGTGGA
AAGAAGCCAGTGTTTCATATCCAACCTGGAAGGCCGGCCATCCATTTTAGAAATGGATGAGACTTCAGCACTCAAGT
TTGAAATAAGAGCAACAGGTTTTCCAGAGCCAAATCCAAGAGTAATTGAACTAAACAAGGATGAGAATGTTGCGC
ATGTTCTACTGGAAGGACTACATCATCAAAGACCCAAACGTTATTTACCATAGTGATTATTTCAAGTAGCTTGC
TACTTGGACTTATTGTACTTCTGTTGATCTCATATGTTATGTGGAAGGCTGGCTTCTTTAAAAGACAATACAAAT
CTATCCTACAAGAAGAAAACAGAAGAGACAGTTGGAGTTATATCAACAGTAAAAGCAATGATGATTAAGGACTTC
TTTCAAATTGAGAGAATGGAAAACAGACTCAGGTTGTAGTAAAGAAATTTAAAAGACACTGTTTACAAGAAAAA
TGAATTTTGTGGACTTCTTTTACTCATGATCTTGTGACATATTATGTCTTCATGCAAGGGGAAAAATCTCAGCA
ATGATTACTCTTTGAGATAGAAGAACTGCAAAGGTAATAATACAGCCAAAGATAATCTCTCAGCTTTTAAATGGG
TAGAGAAACACTAAAGCATTCAATTTATTCAAGAAAAGTAAGCCCTTGAAGATATCTTGAAATGAAAGTATAACT
GAGTTAAATTATACTGGAGAAGTCTTAGACTTGAAATACTACTTACCATATGTGCTTGCCCTCAGTAAATGAACC
CCACTGGGTGGGCAGAGGTTTCAATTTCAAATACATCTTTGATACTTGTTCAAATATGTTCTTTAAAAATATAATT
TTTTAGAGAGCTGTTCCCAAATTTTCTAACGAGTGGACCATTATCACTTTAAAGCCCTTTATTTATAATACATTT
CCTACGGGCTGTGTTCCAACAACCATTTTTTTTCAGCAGACTATGAATATTATAGTATTATAGGCCAAACTGGCA
AACTTCAGACTGAACATGTACACTGGTTTGAGCTTAGTGAAATGACTTCCGGAATCT

1243/2825

FIGURE 1103

MFPTESAWLGKRGANPGPEAAVRETVMLLLCLGVPTGRPYNVDTESALLYQGPHNTLFGYSVVLHSHGANRWLLV
GAPTANWLANASVINPGAIYRCRIGKNPGQTCEQLQLGSPNGEPCGKTCLEERDNQWLGVTLRQPGENGSIIVTC
GHRWKNIFYIKNENKLPTGGCYGVPPDLRTELSKRIAPCYQDYVKKFGENFASCQAGISSFYTKDLIVMGAPGSS
YWTGSLFVYNITTNKYKAFLDKQNQVKFGSYLGYSVGAGHFRSQHTTEVVGGAPQHEQIGKAYIFSIDEKELNIL
HEMKGKKLGSYFGASVCAVDLNADGFSDLLVGAPMQSTIREEGRVFVYINSGSGAVMNAMETNLVGSDDKYAARFG
ESIVNLGDIDNDGFEDVAIGAPQEDDLQGAIIYNGRADGISSTFSQRIEGLQISKSLSMFGQSSISGQIDADNNG
YVDVAVGAFRSDSAVLLRTRPVVIVDASLSHPESVNRKFDVCENGWPSVCIDLTLCSYKGKEVPGYIVLFYNM
SLDVNRKAESPFRFYFSSNGTSDVITGSIQVSSREANCRTHQAFMRKDVRDILTPIQIEAAYHLGPHVISKRSTE
EFPPLQPILOQKKEKDIMKKTINFARFCAHENC SADLQVSAKIGFLKPHENKTYLAVGSMKTLMLNVSLFNAGDD
AYETTLHVKLPGVGLYFIKILELEEKQINCEVTDNSGVVQLDCSIGYIYVDHLRIDISFLLDVSSLSRAEEDLSI
TVHATCENEEEMDNLKHRSVTVAIPLKYEVKLTVHG FVNPTSFVYGSNDENEPETCMVEKMNLTFHVINTGNSMA
PNVSVEIMVPNSFSPQTDKLFNILDVQTTTGECHFENYQRVCALEQQKSAMQTLKGIVRFLSKTDKRLLYCIKAD
PHCLNFLCNFGKMESGKEASVHIQLEGRPSILEMDETSALKFEIRATGFPEPNPRVIELNKDENVAHVLLLEGLHH
QRPKRYFTTIVIISSSLLLGLIVLLLISYVMWKAGFFKRQYKSILQEENRRDSWSYINSKSNDD

1244/2825
FIGURE 1104A

GGAGGCTGCATCCGACTCGGTCAACAAGGAAAATGGATTTCAGTTTGCATCTCTCCCTCCTTTAAACAGCTTCTCCG
GGTCTCAGCATGGGCTTCCAGGGCAGCGATTGAGGAGACCTTACCAAGGAGCACCACACAGTAGATGCTGAGACA
TCGTACTCCAGGATAAGAAACAGTAACATGGCAGCACCTGCTTGAAAAGAAATTAAAAACCAACAGACTCCATTTA
GAAAGGAACAATGTCCAAGAAAGGGCGAAATAAGGGCGAGAAGCCCGAGGCACTCATTGTTGCCCTTCAAGCTGC
CAATGAAGACCTCAGGACCAAGCTCACAGACATTTCAGATAGAGCTGCATCAAGAGAAGTCCAAGGTATCAAAGCT
TGAAAGAGAGAAGACTCAAGAAGCGAAGAGGATTTCGTGAGCTGGAGCAGCGCAAGCACACGGTGCTGGTGACAGA
ACTCAAAGCCAAGCTCCATGAGGAGAAGATGAAGGAGCTGCAGGCTGTGAGGGAGAACCCTTATCAAGCAGCACGA
GCAGGAAATGTCAAGGACGGTGAAGGTACGTGATGGAGAGATCCAGAGGCTCAAGTCTGCTCTCTGTGCTCTCCG
CGACGGCAGCAGTGACAAAGTAAGGACAGCGCTCACCATTGAGGCCCGGAGGAGGCCCGGAAACTGTTTGACAC
AGAGCGCCTTAAGCTCTTACAGGAAATTGCGGACCTGAAAACGGCCAAGAAGCAGGTGGACGAGGCTCTGAGCAA
TATGATCCAAGCAGATAAAATCAAGGCTGGGGACCTTCGGAGTGAGCATCAGTCCCACCAAGAAGCCATCTCGAA
GATCAAGTGGGAGTCGGAGCGGGATATTTCGGAGGCTGATGGATGAAATCAAAGCCAAGGACAGGATCATCTTTTC
CCTGGAAAAGGAACTGGAGACCCAGACAGGCTATGTACAGAACTCCAACCTCAGAAGGAGGCTTTGGACGAACA
ACTCTTTCTGGTCAAGGAGGCTGAGTGCAACATGAGCAGCCCAAAACGAGAAATTCCAGGAAGGGCAGGTGATGG
TTCCGAACACTGCAGCAGTCTGATTTGCGAAGAAATCAAAAGAGAATAGCTGAATTGAATGCCACTATAAGAAA
ATTAGAAGACAGGAATACCTTGCTTGGAGATGAACGAAATGAACTGTTAAAACGTGTGCGGAAACCGAAAAGCA
ATGTAAACCTCTCCTGGAAAGGAACAAGTGCCTCGCCAAGAGAAACGATGAACTGATGGTGTCTTGCAGCGCAT
GGAAGAAAAAACTAAAAGCCGTTACCAAGGAAAATTCAGAAATGAGAGAAAAAATAACATCCCATCCACCCCTGAA
GAAATTAATAATCTCTGAATGACCTCGACCAAGCTAATGAAGAACAAGAAACAGAGTTTCTAAACTTCAGGTCAT
TGAGCAACAGAACATTATTGATGAGCTCACAAGGGACCGAGAAAAGCTCATCCGTAGAAGAAAGCATAGAAGAAG
TTCCAAGCCAATTAAGAGGCCTGTTTTGGACCCGTTTATTGGCTATGATGAGGACTCTATGGATTTCAGAGACATC
ATCCATGGCCTCATTTAGAACAGACAGAACACCAGCTACTCCTGATGATGACTTGGATGAAAGTTTTAGCAGCTGA
AGAATCTGAACTAAGATTTTCGACAATTAACAAAAGAATATCAGGCCCTCCAAAGAGCATATGCCCTCCTACAGGA
GCAGACGGGAGGCATCATCGACGCTGAACGAGAAGCCAAGGCTCAAGAACAGCTCCAAGCAGAGGTGCTAAGGTA
TAAAGCCAAAAATTGAAGACCTGGAAGCGACTCTGGCTCAGAAAAGGCGAGATAGAAAAACAGGAGGCAGAAAAATCA
CCGGTTACAACAAGAACTACAGGACGCCAGAGACCAGAATGAGCTGCTGGAGTTTCGAAACCTAGAGCTAGAAGA
GAGAGAGAGACGATCCCCTCCATTTAATCTCCAATTCACCCATTCTCAGATGGTGTGAGTGCTCTACAGATCTA
CTGTATGAAAGAAGGTGTTAAGGATGTGAACATCCCTGATCTCATAAAGCAGCTTGATATCTTGGGTGATAATGG
GAATTTAAGAAATGAAGAACAAGTGGCCATAATTCAGGCCAGCACTGTGCTGTCCCTGGCAGAGAAGTGGATCCA
GCAGATTGAAGGAGCTGAGGCTGCCCTACACCAGAAAATGATGGAAATTGGAAGTGACATGGAACAGTTCTGCAA
AATAAAAGGCTATCTGGAGGAAGAACTAGACTACAGAAAACAAGCTCTTGACCAAGCATATATGAGAATCCAGGA
ACTAGAAGCTACTTTGTACAATGCTCTACAGCAAGAACTGTTATCAAGTTTGGTGAATTATTAAGTGAAAAACA
GCAAGAGGAGCTGAGGACGGCAGTAGAAAAGTTACGGCGGCAAATGCTGAGGAAGAGCAGAGAGTATGACTGTCA
GATTCTTCAGGAGAGAATGGAGCTCTTACAGCAAGCCCATCAGAGAATTCGTGACTTAGAAGATAAAACAGACAT
CCAGAAAAGACAAATAAAAGACTTAGAAGAAAAGTTTCTGTTTCTATTCTTGTCTTCTCTTGCCTTTATTCT
ATGGCCTTGATGATGTCAGGTGCCTCTTAAAGAGTAACCGAAAACATGGATAAGATCCCAGGAAGACAAGTGCTTCT
AAACCTTCAAAGATGGCAAAATTGTTTACACCAGTGAGAGGGAGATCAAAGCTAAGAACTACCCTGTAGCCAGG
ACTACAACCTGTGTATTTTAAAGCCATTATTCAAGGTTTCTTACTTGACAGTTCCTACACAACCCTGTTGAAAATC
TACAATATATGCTGCATTTAATGAAACATGTATATGTCAAATCAGAAGAGAAGAACTATAAACATATATTGTGTA
AAGAAAAAGTTTCAGCAATGGAAGTAGTTTCTGCAGATCAAGCAAAGATGTGTCTTGGGCATGGAACCAAAGTTAC
AATGAAATATTCAACCCCTGCTGTGCAGGGGGGTCATTTTAATGTAACACCACACCCCATGGAACACTAGTCTT
GATAATAAACATCATTTTTAAAGATCAAAACAAACAAACAAAAAACAAGGGTGGGTGGGGAGTGAAGCACGAG
GAATACCTATGAAGAGCTATTTACAATAAAATGTTTCATTTGAAAAGTCTGGTTTCTTACTACAGGGATTTGCTT
TTCTGTCTTTATGATTGTTTTAACTCAGGAACAGAGACATCCGCATCGTAAATGGGAAGAAAAACACTCTCTGT
TTTGTTTTTCTGCAAAAGGTGGAGCTTGTGGAATTCATTCCACAGACGACAGATGAGAAGTGGATCACAGTGACC
ATAACAAAACCTGGTAACGAAGTCAAAGGACCCGAGCGAATGTGACATGTGAAATAAAAGCAGATTTCGATGCTTCC
TTGTCTACTCTCACATCTGCATTCTCTATCAACAATGGACTGATCTCATTTCATATTGAAAACATAAGAAGATGA
TACTGTAAATCACATGCTCCCTGACTTAGTTCTGTTTAGAACGCCAACATCTATAGGGAACATGGGCCAGAGAGC

1245/2825
FIGURE 1104B

ATCTCTGAATCTTTTCATTTCCAAAATACTGTTTTTCAAATGGCTGCTTAAAAATTGCCTGCAAATGAATATGCTAT
ATGATTTGGGCAAAAACACAGCAGAATCAATGAGTAAATTTCTACCAAGAGTCGGGTTTGCCACAGAGATGTGAA
TATTAAACTAACTATTATTTTTTAAAGAATCCTCACATGCCTAGAGCATTCTGACCTCTTCTTGTGTTAGAGTGA
TAACATTTTTTTCCAGACAGATGACAGCAACAAGATAGCTCTACTTTTTTATATGGAAAATAACATTATGTTACTG
ACAAGGTCATTTTTCTACCAGAGACAATTAGAGGACTGGTACTTTTTCTAAGTTGTGTATTACTGAGTCTTGGAGT
CATCTCTGAGAGCAAATGTATGTTCCCTGAAAAGCTAATTTTACACCTCATTTACTGTAGATAACAGAACAACCTC
AATTTTTTCAAATTTTTGAAGTTTTATTTATGGGGCTAGAATTCCTATGCATAGAGAATATGTGTAGGGAGCCAGA
AATTCCTTCTATGAAATGCTATACAAATCTTCCATATGTGGGTTCACTATCATCCTTCAGTTTTAGCACTGGCA
TTTGCAAAGCCAGAACAATAACTGAAGAATGTACAATAAAAACCTAGAATGCTGGGGTCCCACTTTTTGTCTTAC
ATTTACTGCTGACCCAGGTATCTTTGGCCAGTCACTTAACCTCTCTGTGCCTCAGTTTCCTCATCTGCAAAATG
GGGTTAAATGCTTTTTTATAAAGTTTTATTTGCAATTTTAGAACAAGAGGTGCTTAAAGTAGCACAATGTGCTT
TGTAATTATTACAAGTGCTGTATTATTTGACTTTCTTGTGTTGTTGACAAAAAGATTCCCTCATGTAATAAATA
GTGCTTCAGTTTGGTTAAATTTAAGCACTATAGCACTGAAGCTTGCTTATCAAGCTACTTGGGACATTATTAGCA
ATAAAAATTGAGAGATTCAAAACCAGGATCTTTAATAATCTATAGGAAATAGATCATCTCATGCTATTGAACAAG
ATAGAAGAGTGTGTCATTTCTATGATAAGCATCTCCAGCTCTCTTGATTGCATATGCATGCCATCATACAGAAC
CCCCTTTTACCACAGGAGAGCCAGTCATTAAACAAAGGCTTGGAGCAAACCTGACAGTATCACATAATTAGCTTG
ATTATCTTTTATTCTGGAGGAAAGTCAGGTGGTATGCCCTACTGGGAAGATACAAAACAGACTATCCTGCTGTAT
TCTTTTTTTTTTTTTTTTGAGATGGAGTCTTGCTCTGTTGCCCATGCTGGAGTGCATTGGCACAAATCTCGGCTCA
TGGCAAGCTCCGCCTCCTGGATTCAAGTGATTCTCCTGCCTCAACCTCCCTAGTAGCTGGGATTACAGGTGCACA
CCACCACACCTGGCTAATTTTTGTATTTTGTAGTAGAGACAGGGTTTCACTATGCTGGTCAGGCTGGTCTCGAACT
CCTGACCTCAAGTGATCTGCCTGCCTCAGCCTCCCAAAGTGCTAGGATTACAGGTGTAAGCCACTGTGCCCGGCC
TCCTGCTGGATTCTTTATTCAACTAGGTAGGTTCAGATTAAATATGAGCCATATGCTCATTAGGCAAGAAATGT
GAAAGAGGGTGCCTCTACAGTGTTGGTGACCCAACACTAGCCAACCTTGAGTCAGAAAATATGGAAGAAGATAAAT
TACTCTCACATATCTAAGACTTTTCCATTTTTCTTCACTTTCTGTTGCAGGGCCCATATGAGTAAATCTATATTC
CGTCTGCTCCAACACACACCTTCTTCTTAATTTTGCTTTCCACCCACCAAGAAATTTGTAAGTCAAAATTT
ATTTCCATGAGTAACTATTTCTAAATGATTGGAAATTTTTGAAAAAGTGGTATGGTTTATATACCTAATCTGCTT
ATCTGCTATAAGTCATATGAGAACAACAGCTAGGATGATTGTCCAAGCAGCTTTAGATGTGTTTAGGGCCAGGCA
AAAGGTTTGCTTGTTTTTTCTTTTTGCTTAAGATCTGGGAGATTAGCAAATTTCTCAAGACTATAGACTGAACGT
TAATTTTTACCAACTCTTGCTCATGAGCCTCAAAATGAATATATCCTTGAATAAAGTATAAATATTTCAATAGAT
ACATCTCTCTATTATCCATTTTACAATTATAAAAGCATCAGCAAAATTGTGGATATGTGTTCCAGTCACTCATG
GATCCATGGAAATGGACCGTGTAAATGAATGCTTCCCTTGGATGGGATGTTTCAGCAATAGC

1246/2825
FIGURE 1105

MSKKGRNKGEKPEALIVALQAANEDLRTKLTDIQIELHQEKSQVSKLEREKTQEAKRIRELEQRKHTVLVTELKA
KLHEEKMKELOAVRENLIKQHEQEMSRTVKVRDGEIQRLKSALCALRDGSSDKVRTALTIEAREEARKLFDTERL
KLLQEIADLKTAKKQVDEALSNMIQADKIKAGDLRSEHQSHQEAISKIKWESERDIRRLMDEIKAKDRIIFSLEK
ELETQTGYVQKLQLQKEALDEQLFLVKEAECNMSSPKREIPGRAGDGSEHCSSPDLRRNQKRIAELNATIRKLED
RNTLLGDERNELLKRVRETEKQCKPLLERNKCLAKRNDLMVSLQRMEEKLKAVTKENSEMREKITSHPPLKKLK
SLNDLDQANEEQETEFKLQVIEQQNIIDELTRDREKLIRRRKHRRSSKPIKRPVLDPFIGYDEDSMDSETSSMA
SFRTRTPATPDDDLDES LAEESELFRQLTKEYQALQRAYALLQEQTGGIIDAEREAKAQEQLQAEVLRYKAK
IEDLEATLAQKGQIEKQEAENHRLQQELQDARDQNELLEFRNLELEERERRSPFNLQIHPFSDGVSAIQIYCMK
EGVKDVNIPDLIKQLDILGDNGNLRNEEQVAIIQASTVLSLAEKWIQQIEGAEAALHQKMMELESDMEQFCKIKG
YLEEEELDYRKQALDQAYMRIQELEATLYNALQQETVIKFGELLSEKQQEELRTAVEKLRQMLRKSREYDCQILQ
ERMELLQQAHQRIIRDLEDKTDIQKRQIKDLEEKFLFLFLFFSLAFILWP

1247/2825
FIGURE 1106

GGGCAATTTGTTAGTTATCCGCCGCCACCAAGACGCGGCACGGCGCCTGGACCGGAGGGGGCCCCGCGCGGGCGCG
AACTTTGGGCTCGGGCGAGTGGGTGGTGCTCCGCCAGCCCGAGACGGGCGGGCGCGCGGGCCAATGGGTGCCGC
CTCTTGGCCGCGGGGGGGCCCCGACCCGTGGGTCCCGGCCACCAGCGCCCCAGCCCCGAGGCTCAGAAGCGGCAGG
CGGAGGCGCGGTCCGGGCGCTATGGCCATGCCCGGCGGGTCTCACGCGGCTGCCCCTCGCCCGGCGCGCCTTCGG
TAGGGGGCGCCCCGGGGCCCAGCTGGCCCGGCCATGCTGCTGGAGACACAGGACGCGCTGTACGTGGCGCTGGAGC
TGGTCATCGCCGCGCTTTTCGGTGGCGGGCAACGTGCTGGTGTGCGCCGCGGTGGGCACGGCGAACACTCTGCAGA
CGCCCACCAACTACTTCCTGGTGTCCCTGGCTGCGGGCCGACGTGGCCGTGGGGCTCTTCGCCATCCCCTTTGCCA
TCACCATCAGCCTGGGCTTCTGCACTGACTTCTACGGCTGCCTCTTCCTCGCCTGCTTCGTGCTGGTGTCTACGC
AGAGCTCCATCTTCAGCCTTCTGGCCGTGGCAGTCGACAGATACCTGGCCATCTGTGTCCCGCTCAGGTATAAAA
GTTTGGTCACGGGGACCCGAGCAAGAGGGGTCAATTGCTGTCTCTGGGTCTTCCTTTGGCATCGGATTGACTC
CATTCCTGGGGTGGAACAGTAAAGACAGTGCCACCAACAACCTGCACAGAACCCTGGGATGGAACCACGAATGAAA
GCTGCTGCCTTGTGAAGTGTCTCTTTGAGAATGTGGTCCCCATGAGCTACATGGTATATTTCAATTTCTTTGGGT
GTGTTCTGCCCCACTGCTTATAATGCTGGTGATCTACATTAAGATCTTCCTGGTGGCCTGCAGGCAGCTTCAGC
GCACTGAGCTGATGGACCACTCGAGGACCACCCTCCAGCGGGAGATCCATGCAGCCAAGTCACTGGCCATGATTG
TGGGGATTTTTGCCCTGTGCTGGTTACCTGTGCATGCTGTTAACTGTGTCACTCTTTTCCAGCCAGCTCAGGGTA
AAAATAAGCCCAAGTGGGCAATGAATATGGCCATTCTTCTGTACATGCCAATTCAGTTGTCAATCCCATTTGTCT
ATGCTTACCGGAACCGAGACTTCCGCTACACTTTTTCACAAAATTATCTCCAGGTATCTTCTCTGCCAAGCAGATG
TCAAGAGTGGGAATGGTCAGGCTGGGGTACAGCCTGCTCTCGGTGTGGGCCTATGATCTAGGCTCTCGCCTCTTC
CAGGAGAAGATACAAATCCACAAGAAACAAAGAGGACACGGCTGGTTTTTCATTGTGAAAGATAGCTACACCTCAC
AAGGAAATGGACTGCCTCTCTTGAGCACTTCCCTGGAGCTACCACGTATCTAGCTAATATGTATGTGTCACTAGT
AGGCTCCAAGGATTGACAAATATATTTATGATCTATTACAGCTGCTTTTACTGTGTGGATTATGCCAACAGCTTGA
ATGGATTCTAACAGACTCTTTTGTTTTTAAAAGTCTGCCTTGTTTATGGTGGAAAATTACTGAAACTATTTTACT
GTGAAACAGTGTGAACATATTATAATGCAAATACTTTTTAACCTAGAGGCAATGGAAAAATAAAAGTTGACTGTAC
TAAAAATG

1248/2825
FIGURE 1107

MLLETQDALYVALELVIAALSVAGNVLVCAAVGTANTLQTPTNYFLVSLAAADVAVGLFAIPFAITISLGFCTDF
YGCLFLACFVLVLTQSSIFSLAVAVDRYLAICVPLRYKSLVTGTRARGVIAVLWVLAFGIGLTPFLGWNSKDSA
TNNCTEPWDGTTNESCCLVKCLFENVVPMSYMFVFNFFGCVLPPLLIMLVIIYIKIFLVACRQLQRTTELMDHSRTT
LQREIHAAKSLAMIVGIFALCWLPVHAVNCVTLFQPAQGKNKPKWAMNMAILLSHANSVVNPIVYAYRNRDFRYT
FHKIISRYLLCQADVKSNGQAGVQFALGVGL

1249/2825
FIGURE 1108

ACTCGTCTCTGGTAAAGTCTGAGCAGGACAGGGTGGCTGACTGGCAGATCCAGAGGTTCCTTGGCAGTCCACGC
CAGGCCTTCACCATGATCAGTTCCTGAATCAGTGACAGAAAACCTTTGAGTACGATGATTTGGCTGAGGCCTGT
TATATTGGGGACATCGTGGTCTTTGGGACTGTGTTCCCTGTCCATATTCTACTCCGTCATCTTTGCCATTGGCCTG
GTGGGAAATTTGTTGGTAGTGTGTTGCCCTCACCAACAGCAAGAAGCCCAAGAGTGTACCCGACATTTACCTCCTG
AACCTGGCCTTGTCTGATCTGCTGTTTGTAGCCACTTTGCCCTTCTGGACTCACTATTTGATAAATGAAAAGGGC
CTCCACAATGCCATGTGCAAATTCACCTACCGCCTTCTTCTTCATCGGCTTTTTTGGAAAGCATATTCTTCATCACC
GTCATCAGCATTGATAGGTACCTGGCCATCGTCTGGCCGCCAACTCCATGAACAACCGGACCGTGCAGCATGGC
GTCACCATCAGCCTAGGCGTCTGGGCAGCAGCCATTTTGGTGGCAGCACCCAGTTCATGTTACAAAAGCAGAAA
GAAAATGAATGCCTTGGTGAAGTACCCCGAGGTCTCCAGGAAATCTGGCCCGTGTCTCCGCAATGTGGAAACAAAT
TTTCTTGGCTTCTACTCCCCCTGCTCATTATGAGTTATTGCTACTTCAGAATCATCCAGACGCTGTTTTCTGCTGC
AAGAACCACAAGAAAGCCAAAGCCATTAACTGATCCTTCTGGTGGTCATCGTGTGTTTTCTCTTCTGGACACCC
TACAACGTTATGATTTTTCTGGAGACGCTTAAGCTCTATGACTTCTTTCCAGTTGTGACATGAGGAAGGATCTG
AGGCTGGCCCTCAGTGTGACTGAGACGGTTGCATTTAGCCATTGTTGCCTGAATCCTCTCATCTATGCATTTGCT
GGGGAGAAGTTCAGAAGATACCTTTACCACCTGTATGGGAAATGCCTGGCTGTCTGTGTGGGCGCTCAGTCCAC
GTTGATTTCTCCTCATCTGAATCACAAAGGAGCAGGCATGGAAGTGTCTGAGCAGCAATTTTACTTACCACACG
AGTGATGGAGATGCATTGCTCCTTCTCTGAAGGGAATCCCAAAGCCTTGTGTCTACAGAGAACCTGGAGTTCCTG
AACCTGATGCTGACTAGTGAGGAAAGATTTTTGTTGTTATTTCTTACAGGCACAAAATGATGGACCCAATGCACA
CAAAACAACCCTAGAGTGTGTTGAGAATTGTGCTCAAAATTTGAAGAATGAACAAATTGAACTCTTTGAATGAC
AAAGAGTAGACATTTCTCTTACTGCAAATGTCATCAGAACTTTTTGGTTTGCAGATGACAAAAATTCAACTCAGA
CTAGTTTAGTTAAATGAGGGTGGTGAATATTGTTTCATATTGTGGCACAAGCAAAAGGGTGTCTGAGCCCTCAAAG
TGAGGGGAAACCAGGGCCTGAGCCAAGCTAGAATTCCTCTCTGACTCTCAAATCTTTTAGTCATTATAGATC
CCCCAGACTTTTACATGACACAGCTTTATCACCAGAGAGGGACTGACACCCATGTTTCTCTGGCCCCAAGGGAAAA
TTCCCAGGGAAGTGCTCTGATAGGCCAAGTTGTATCAGGTGCCCATCCCTGGAAGGTGCTGTTATCCATGGGGA
AGGGATATATAAGATGGAAGCTTCCAGTCCAATCTCATGGAGAAGCAGAAATACATATTTCCAAGAAGTTGGATG
GGTGGGTACTATTCTGATTACACAAAAAATAATGCCACACATCACCCTTACCATGTGCCTGATCCAGCCTCTCCCC
TGATTACACCAGCCTCGTCTTCATTAAGCCCTCTTCCATCATGTCCCCAAACCTGCAAGGGCTCCCCACTGCCTA
CTGCATCGAGTCAAACTCAAATGCTTGGCTTCTCATACGTCCACCATGGGGTCCCTACCAATAGATTCCCCATTG
CCTCCTCCTTCCCCAAGGACTCCACCCATCCTATCAGCCTGTCTCTTCCATATGACCTCATGCATCTCCACCTGC
TCCCAGGCCAGTAAGGGAAATAGAAAAACCTGCCCCCAATAAGAAGGGATGGATTCCAACCCCAACTCCAGTA
GCTTGGGACAAATCAAGCTTCAGTTTCTGGTCTGTAGAAGAGGGATAAGGTACCTTTACATAGAGATCATCCT
TTCCAGCATGAGGAAGTACCCACCAACTCTTGCAGGTCTCAACCCTTTTGTCTGCCTCTTAGACTTCTGCTTTCC
ACACCTGCACTGCTGTGCTGTGCCCCAAGTTGTGGTGTCTGACAAAGCTTGAAGAGCCTGCAGGTGCCTTGCCGC
GTGCATAGCCCAGACACAGAAGAGGCTGGTTCTTACGATGGCACCCAGTGAGCACTCCCAAGTCTACAGAGTGAT
AGCCTTCCGTAACCCAACTCTCCTGGACTGCCTTGAATATCCCCTCCCAGTCACCTTGTGCAAGCCCTGCCCAT
CTGGGAAAAATACCCCATCATTGCTACTGCCAACCTGGGGAGCCAGGGCTATGGGAGCAGCTTTTTTTTCCCC
CCTAGAAACGTTTGAACAATGTAAACCTTTAAAGCTCGAAAACAATTGTAATAATGCTAAAGAAAAAGTCATCC
AATCTAACCACATCAATATTGTCATTCTGTATTACCCGTCCAGACCTTGTTTACACTCTCACATGTTTAGAGT
TGCAATCGTAATGTACAGATGGTTTTATAATCTGATTTGTTTTCTTAACTTAGACCACAAATAGTGCTCGC
TTTCTATGTAGTTTGGTAATTATCATTTTAGAAGACTCTACCAGACTGTGTATTGATTGAAGTCAGATGTGGTAA
CTGTTAAATGCTGTGTATCTGATAGCTCTTTGGCAGTCTATATGTTTGTATAATGAATGAGAGAATAAGTCATG
TTCCTTCAAGATCATGTACCCCAATTTACTTGCCATTACTCAATTGATAAACATTTAACTTGTTTCCAATGTTTA
GCAAATACATATTTTATAGAACTTC

1250/2825
FIGURE 1109

MDQFPESVTENFEYDDLAEACYIGDIVVFGTVFLSIFYSVIFAIGLVGNLLVVFALTNSKKPKSVTDIYLLNLAL
SDLLFVATLPFWTHYLINEKGLHNAMCKFTTAAFFFIGFFGSIFFITVISIDRYLAIVLAANSMMNNRTVQHGV
TIS LGVWAAAILVAAPQFMFTKQKENECLGDYPEVLQEIWPVLRNVETNFLGFLLPLLIMSYCYFRIIQTLF
SCKNHK KAKAIKLILLVVIVFFLFWTPYNMIFLETCLKLYDFFPSCDMRKDLRLALSVTETVAFSHCC
LNPLIYAFAGEKF RRYLYHLYGKCLAVLCGRSVHVDFFSSSESQSRHGSVLSSNFTYHTSDGDALLL

1251/2825
FIGURE 1110

GGTGTGTGTTCCGGACACATAGAAAGATAACGACGGGAAGAGCGGGGCCCCGCTTTGGGGTCCAGGCAGGTTTTGGG
GCCTCCTGTCTGGTGGGAGGAGGCCGAGCGCAGCACCCCTGCTCGTCACTTGGG**ATCG**GAGACCGGCTTTCCCGCA
ATCATGTACCCTGGATCTTTTATTGGGGGCTGGGGAGAAGAGTATCTCAGCTGGGAAGGACCGGGGCTCCCAGAT
TTCGTCTTCCAGCAGCAGCCCCGTGGAGTCTGAAGCAATGCACTGCAGCAACCCCAAGAGTGGAGTTGTGCTGGCT
ACAGTGGCCCGAGGTCCCGATGCTTGTGAGATACTCACCAGAGCCCCGCTGGGCCAGGATCCCCCGCAGAGGACA
GTGCTAGGGCTGCTAACTGCAAATGGGCAGTACAGGAGGACCTGTGGCCAGGGGATCACAAGAATCAGGTGTTAT
TCTGGATCAGAAAATGCCTTCCCTCCAGCTGGAAAGAAAGCACTCCCTGACTGTGGGGTCCAAGAGCCCCCAAG
CAAGGGTTTTGACATCTACATGGATGAACTAGAGCAGGGGGACAGAGACAGCTGCTCGGTGAGAGAGGGGATGGCA
TTTGAGGATGTGTATGAAGTAGACACCGGCACACTCAAGTCAGACCTGCACTTCCTGCTGGATTTCAACACAGTT
TCCCTATGCTGGTAGATTCATCTCTCCTCTCCAGTCTGAAGATATATCCAGTCTTGGCACAGATGTGATAAAT
GTGACTGAATATGCTGAAGAAATTTATCAGTACCTTAGGGAAGCTGAAATAAGGCACAGACCCAAAGCACACTAC
ATGAAGAAGCAGCCAGACATCACGGAAGGCATGCGCACGATTCTGGTGGACTGGCTGGTGGAGGTTGGGGAAGAA
TATAAACTTCGAGCAGAGACCCTGTATCTGGCTGTCAACTTCCTGGACAGGTTCCCTTCATGTATGTCTGTTCTG
AGAGGGAACTGCAGCTCGTAGGAACAGCAGCTATGCTTTTGGCTTCGAAATATGAAGAGATATATCCTCCTGAA
GTAGACGAGTTTGTCTATATCACCGATGATACATACAAAAACGACAACTGTTAAAAATGGAACACTTGCTTCTG
AAAGTTCTAGCTTTTGTATCTGACAGTACCAACCACCAACCAGTTTCTCCTTCAGTACTTGAGGCGACAAGGAGTG
TGCCTCAGGACTGAGAACCTGGCTAAGTACGTAGCAGAGCTGAGTCTACTTGAAGCAGATCCATTCTTGAAATAT
CTTCCTTCACTGATAGCTGCAGCAGCTTTTTGCCTGGCAAATACTGTGAACAAGCACTTTTGGCCAGAAACC
CTTGCTGCATTTACAGGGTATTCATTAAGTGAAATTGTGCCTTGCTGAGTGAGCTTCATAAAGCGTACCTTGAT
ATACCCCATCGACCTCAGCAAGCAATTAGGGAGAAGTACAAGGCTTCAAAGTACCTGTGTGTGTCCCTCATGGAG
CCACCTGCAGTTCTTCTTCTACAA**TAA**GTTTCTGAATGGAAGCACTTCAGAACTTCACCTCCATATCAGAAGTG
CCAATAATCGTCATAGGCTTCTGCACGTTGGATCAACTAATGTTGTTTACAATATAGATGACATTTTAAAAATGT
AAATGAATTTAGTTTCCCTTAGACTTTAGTAGTTTGTAAATATAGTCCAACATTTTTTAAACAATAAACTGCTTGT
CTTATGACAAAAAAAAA

1252/2825
FIGURE 1111

METGFPAIMYPGSFIGGWGEEYLSWEGPGLPDFVFQQQPVSEAMHCSNPKSGVVLATVARGPDACQILTRAPLG
QDPPQRTVLGLLTANGQYRRTCGQGITRIRCYSGSENAFPPAGKKALPDCGVQEPPKQGFDIYMDELEQGDRDSC
SVREGMAFEDVYEVDGTGLKSDLHFLLDFNTVSPMLVDSSLLSQSEDISSLGTDVINVTEYAEEIYQYLREAEIR
HRPKAHYMKKQPDITEGMRITILVDWLVEVGEEYKLRAETLYLAVNFLDRFLSCMSVLRGKLQLVGTAAMLLASKY
EEIYPPEVDEFVYITDDTYTKRQLLKMEHLLLKVLAFDLTVPTTNQFLLQYLRRQGV CVRTENLAKYVAELSLLE
ADPFLKYLPSLIAAAAFCLANYTVNKHFWPETLAAFTGYSLSEIVPCLSELHKAYLDIPHRPQQAIREKYKASKY
LCVSLMEPPAVLLLQ

1253/2825
FIGURE 1112A

GAATTCCGAAAGCAAGGAGATGSCCACCAGGAGAAGCTGCAGTGTCTGAAAGATTTCCACAAGGACATGGTGAA
GCCCTCACCAGGGAAGAGCCCAGGCACGCGGCTGAGGACGAGGCTGAGGGAAAACCTCCGCAGAGGGAGAAGTG
GTCTAGCAAGATCGACTTTGTGCTCTCTGTGGCTGGCGGCTTCGTGGGCTTGGGCAACGTCTGGCGCTTCCCGTA
CCTCTGCTACAAGAATGGTGGAGGTGCGTTTCTCATACCGTATTTTATTTTCTGTTTGGGAGCGGCCTGCCTGT
GTTTTCTTGGAGATCATCATAGGCCAGTACACCTCTGAAGGGGGCATCACCTGCTGGGAAAAGATCTGCCCTT
GTTCTCTGGTATCGGCTATGCCTCCGTTGTAATTGTGTCCCTCCTGAATGTCTACTACATCGTCATCCTGGCCTG
GGCCACATACTACCTGTTCCAGTCCCTCCAGAAGGAGCTGCCCTGGGCACACTGCAACCACAGCTGGAACACACC
TCACTGCATGGAGGACACCATGCGCAAGAACAAGAGTGTCTGGATCACCATCAGCTCCACCAACTTCACCTCCCC
TGTCATCGAGTTCTGGGAGCGCAACGTGCTGAGCTTGTCCCTGGAATCGACCACCCAGGCTCTCTGAAATGGGA
CCTCGCTCTCTGCCTTCTTTAGTCTGGCTAGTGTGTTTCTTCTGCATCTGCAAGGGCGTCAGGTCCACTGGGAA
GGTCGTCTACTTCACAGCCACTTTTCCATTGCGCATGCTCCTGGTGTCTGCTGGTCCGAGGGCTGACGCTGCCGGG
CGCGGGCCGAGGCATCAAGTTCTATCTGTATCCTGACATACCCGCCTTGAGGACCCACAGGTGTGGATTGACGC
TGGGACTCAGATAFTCTTCTCTTATGCCATCTGCCTGGGGGCTATGACCTCGCTGGGGAGCTACAACAAGTACAA
GTATAACTCGTACAGGGACTGTATGCTGCTGGGATGCCTGAACAGTGGTACCAGTTTGTGTCTGGCTTCGCAAT
TTTTTCCATCCTGGGCTTCATGGCACAAGAGCAAGGGGTGGACATTGCTGATGTGGCTGAGTCAGGTCTGGCCT
GGCCTTCATTGCCTACCCAAAAGCTGTGACAATGATGCGCTGCCACATTTTGGTCCATTCTTTTTTTTTATTAT
GCTTCTCTTGTCTGGACTGGATAGCCAGTTTGTGTAAGTTGAAGGACAGATCACATCCTTGGTTGATCTTTACCC
ATCCTTCCTAAGGAAGGGTTATCGTCGGGAAATCTTCATCGCCTTCGTGTGTAGCATCAGCTACCTGCTGGGGCT
GACGATGGTGACGGAGGGTGGCATGTATGTGTTTCAGCTCTTTGACTACTATGCAGCTAGCGGTGTATGCCTTTT
GTGGGTTGCATTCTTTGAATGTTTTGTTATTGCCTGGATATATGGAGGTGATAACCTTTATGATGGTATTGAGGA
CATGATTGGCTATCGGCCCGGCCCTGGATGAAGTACAGCTGGGTGATCACTCCAGTTCTCTGTGTTGGATGTTT
CATCTTCTCGCTCGTCAAGTACGTACCCCTGACCTACAACAAAACATACGTGTCCCCAACTTGGGCCATTGGGCT
GGGCTGGAGCCTGGCCCTTTTCTCCATGCTCTGCGTTCCCTTGGTCATCGTCATCCGCCTCTGCCAGACTGAGGG
GCCGTTTCCTTGTGAGAGTCAAGTACCTGCTGACCCCAAGGGAACCCAAACCGCTGGGCTGTGGAGCGCGAGGGAGC
CACACCTTACAACCTCTCGCACCGTTCATGAACGGCGCTCTCGTGAAACCGACCCACATCATTGTGGAGACCATGAT
GTGAGCTCTCTCGGGTCGACGGGGCCGGCGGCTTTCTGCTGTTTACTAACATTAGATTACATAGGACCAGGTT
TACAGAGCTTTATATTTGCACTAGGATTTTTTTTTTTTTTTGTAATTGTACAGAAAATGTAATTGTGGGTATGTGT
GCGTGCGTGTGTGTGTGTGTGTGTATCGTGTGTGTGTGTTTTGTTTTGATTGTGGGGATATTTTGTACAAA
AAGAAAACCCACGGGAAGATGTCCGTGGAGAGGCAGAGCTTTCATACTGAATTAGATGTATTTTATGGGAATTTG
GTAAATTTTTCTTTGATTTTTTTTTTTTACATATAAGTATATATACTTAGAGATTGTCATATACTTTTACCAC
TTGAATTGATCTTCTTGCCAGCAATAGATCTCATTTTCAAAGCAATTCTTCGGTGTGTGTAGCTGGCAGAAAG
TTCTGTCCAGTAAACGCAGGATGGAATTTTCTTGGGACTCTACACCCATCTTAAGGTGGTATACCTTCCAAATCC
TGGTTCAGATGGAAGAAATAGCAGGAGAGAGGACCCATTAGCTGGCAGACCCAGGGGAAGAAAGGAGGGCTGTGA
GGAGATACCTCATTAACCTTGGCTTAGTGAAGAAGAGAGATGCCAAAGGAATGAACCAACCTTACATAAAGGA
GACTGGCTGAAGCTGAATGAGGAGGCCCTATAGCAGAAGTCTGATTCTAAGAGCAGTAGAACTTGTACCAGAAG
CAAATCCCCTTTTAATTTTGGATGGTGAAGTGGATAGTCAGTAGACCGTCAGAACCACTGGCCAGAGAGGGAG
CTGCTAGAGATCCAAGAAGGCTGGCAGGAATGAGGCTCACAACCTCAGCCTCGCAAGAGGTGGCAGAGGCACAGGA
GGCCACAGTCTTCTTGGGGCATTCCAGGCAGAGAAGGAGCAGAGGCTCTCCCGGCAGGAGCTGGGGTCTCAGGG
CTCAGATGAGTCTGTTGCATTTGAATGGGGTCATAGCAGGTTCTGGTCAATTCCCAAGCAACATCTCAGCATCTC
TTAAAGTTGCCGTGCAGGAATGAAGCATGACATACCTGTTGAGGGACTAGGGGAGTGGTGGGGAGGTGAGTGGACC
AAAGGATATAGGCCCCAGGCATGCAGATGGGCCCCGTGTCGGGGAGGGGTGCTTTCTTTTCTCATCTCCCCACTC
CCCCTCTCAGCCTGGGAGACTCCTGCCAAGCCCTCATTAAGATGCCACCCTGGGCTGCCCTGGCACCTAGCAA
GGCACACCAAGAACAGCTTTTGTAGTCGTATCCTCCACTGGGGAAGTGCTCCCAGTTTCAGAACAAAGGCGAGCCCGT
GGTGTGACCTAGGATATAACAAAGCTCTTCACTTCAAACCCCTGCAATAGCTGGGTTTACAGACATTTACCAC
CTGGGGACCCAAAAGAGAAGGCCTAGGAGAGTTTTCTAGAAGGTTGGGATTGTGAGGGTCTGGCCCCCAGAAC
TGGCTTGATCAAGGGCCTTATGTGGAGCAGAGGTTGTCTCTGAACCAGGAGAGAAGGTACTATACCTTTCAAATC
CCCAGGGCAGACACACCCCCACCCAGCCCCCTATTTGGACCTAAACTGTGCCATTTGAACAGTCACTTCCAAGCTC
AGTCTAAATGAAACCGAAACGTGACCACGCACAAAGGCAGTCACTGCTCGAGGGGTGCAGACCGCAGAATTTTCA

1254/2825
FIGURE 1112B

CAGCAGGGGCTCTTGGAACCTCTGGAAACCCCTTCTTAAATTTGGGAGGAGGAGTATGCCTTTGGTGTCCCCCTC
CCAAGGGCAATTCTGAACCCCATCTTTGGCAGGCATACATATTTCACTGTTTCCAAAGCTATCTACTCTGCCAAA
CAACACCCAGTCCTATTCCAAACTCTCAACGATTCTATCTTGTTCTGTCTTTTCTATGTATTTATGGTTGCCGTT
TGTGCTGTGATTGATTTTACTGTTTTTCCCTGATTTTATGGAGTAGCATTGTGACCTGTTTTCCTTTGTCTTAT
ATAACTTTAGTAAACTAACCCTGTCAATGATTGAGGGCAGGTGGCACGTGGGGAAGAGGGCGGAATTC

1255/2825
FIGURE 1113

MATKEKLQCLKDFHKDMVKPSPGKSPGTRPEDEAEGKPPQREKWSSKIDFVLSVAGGFVGLGNVWRFPYLCYKNG
GGAFLIPYFIFLFGSGLPVFFLEIIIGQYTSEGGITCWEKICPLFSGIGYASVVIVSLLNVYYIVILAWATYYLF
QSFQKELPWAHCNHSWNTPHCMEDTMRKNKSVWITISSTNFTSPVIEFWERNVLSLSPGIDHPGSLKWDLALCLL
LVWLVCFFCICKGVRSTGKVYFTATFPFAMLLVLLVRGLTLPGAGRGIKFYLYPDITRLEDPQVWIDAGTQIFF
SYAICLGAMTSLGSYNKYKYNRYDCMLLGCLNSGTSFVSGFAIFSILGFMAQEQQGVDIADVAESGPGLAFIAYP
KAVTMMPLPTFWSILFFIMLLLLGLDSQFVEVEGQITSLVDLYPSFLRKGYRREIFIAFVCSISYLLGLTMVTEG
GMYVFQLFDYYAASGVCLLWVAFFECFVIAWIYGGDNLYDGIEDMIGYRPGPWMKYSWVITPVLVCGCFIFSLVK
YVPLTYNKTYVSPTWAIGLWGLALSSMLCVPLVIVIRLCQTEGPFLVRVKYLLTPREPNRWAVEREGATPYNSR
TVMNGALVKPTHIIVETMM

1256/2825
FIGURE 1114

AAACCTTGGCCATGGTCACCTTCCTCTTTTCCAATCTCTGTGGCAGTTTTTGGCCCTAATAACCCTGCAGGTTGGTA
CTCAGGACAGTTTTTATAGCTGCAGTGTATGAACATGCTGTCATTTTGCCAAATAAAACAGAAACACCAGTTTCTC
AGGAGGATGCCTTGAATCTCATGAACGAGAATATAGACATTCTGGAGACAGCGATCAAGCAGGCAGCTGAGCAGG
GTGCTCGAATCATTGTGACTCCAGAAGATGCACTTTATGGATGGAAATTTACCAGGGGAAAAGTGTTCCTTATC
TGGAGGATATCCCAGACCCTCAGGTGAAGTGGATTCCGTGTCAAGACCCCCACAGATTTGGTCAACACACCAGTAC
AAGCAAGACTCAGCTGCCTGGCCAAGGACAACCTCTATCTATGTCTTGGCAAATTTGGGGGACAAAAAGCCATGTA
ATTCCCGTGAATCCACATGTCTCCTAATGGCTACTTTCAATACAATACCAATGTGGTGTATAATACAGAAGGAA
AACTCGTGGCAGCTTACCATAAGTACCACCTGTACTCTGAGCCTCAGTTTAAATGTCCCTGAAAAGCCGGAGTTGG
TGACTTTCAACACCGCATTTTGAAGGTTTGGCATTTCACGTGCTTTGATATATTCTTCTATGATCCTGGTGTTA
CCCTGGTGAAAGATTTCCATGTGGACACCATACTGTTTCCACAGCTTGGATGAACGTTTTGCCCTTTTGACAG
CTATTGAATTCCATTTCAGCTTGGGCAATGGGAATGGGAGTTAATCTTCTTGTGGCCAACACACATCATGTCAGCC
TAAATATGACAGGAAGTGGTATTTATGCACCAAATGGTCCCAAAGTGTATCATTATGACATGAAGACAGAGTTGG
GAAAACCTTCTCCTTTTTCAGAGGTGGATTACATCCCCCTATCCTCGCTTGCTACCCAACAGCTGTTAATTGGAATG
CCTACGCCACCACCATCAAACCATTTCCAGTACAGAAAAACACTTTTCAGGGGATTTATTTCCAGGGATGGGTTC
ACTTCACAGAACTTTTTGAAAATGCAGGAAACCTTACAGTCTGTCAAAGGAGCTTTGCTGTCAATTAAGCTACA
GAATGTTACAAAAAGAAGAGAATGAAGTATACGTTCTAGGAGCTTTTACAGGATTACATGGCCGAAGGAGAAGAG
AGTACTGGCAGGTCTGCACAATGCTGAAGTGCAAACTACTAATTTGACAACTTGTGGACGGCCAGTAGAACTG
CTTCTACAAGATTTGAAATGTTCTCCCTCAGTGGCACATTTGGAACAGAGTATGTTTTTCTGAAAGTGCTACTTA
CCGAAATTCATCTGTACCTGGAAAATTTGAGGTGCTGAAAGATGGGCGTTTGGTAAACAAGAATGGATCATCTG
GGCCTATACTAACAGTGTCACTCTTTGGGAGGTGGTACACAAAGGACTCACTTTACAGCTCATGTGGGACCAGCA
ATTCAGCAATAACTTACCTGCTAATATTCATATTATTAATGATCATAGCTTTGCAAAATATTGTAATGTTATAGG
GCGTCTCTTTATCACTCAGCTTCTGCATCATATGCTTGGCTGAATGTGTTTATCGGCTTCCCAAGTTTACTAAGA
AACTTTGAAGGGCTATTTTCAGTAGTATAGACCAGTGAGTCCTAAATATTTTTTCTCATCAATAATTATTTTTTAA
GTATTATGATAATGTTGTCCATTTTTTTGGCTACTCTGAAATGTTGCAGTGTGGAACAATGGAAAGAGCCTGGGT
GTTTGGGTCAGATAAATGAAGATCAAACCTCCAGCTCCAGCCTCATTTGCTTGAGACTTTGTGTGTATGGGGGACT
TGTATGTATGGGAGTGAGGAGTTTCAGGGCCATTGCAAAACATAGCTGTGCCCTTGAAGAGAATAGTAATGATGGG
AATTTAGAGGTTTATGACTGAATTCCTTTGACATTAAAGACTATTTGAATTCAAAAAAAAAAAAAAAAAAAAA
AAAAAAAA

1257/2825

FIGURE 1115

MVTSSFPISVAVFALITLQVGTQDSFIAAVYEHAVILPNKTETPVSQEDALNLMNENIDILETAIKQAAEQGARI
IVTPEDALYGWKFTRETVPYPYLEDIPDPQVNWIPCQDPHFRFGHTPVQARLSCLAKDNSIYVLANLGDKKPCNSRD
STCPPNGYFQYNTNVVYNTGKLVARYHKYHLYSEPQFNVPEKPELVTFNTAFGRFGIFTCFDIFFYDPGVTLVK
DFHVDTILFPTAWMNVLPLLTAIEFHSAWAMGMGVNLLVANTHHVSLNMTGSGIYAPNGPKVYHYDMKTELGKLL
LSEVDSHPLSSLAYPTAVNWNAYATTIKPFPVQKNTRFRGFISRDGFNFTELFENAGNLTVQCQKELCCHLSYRMLQ
KEENEVYVLGAFTGLHGRRRREYWQVCTMLKCKTTNLTTCGRPVETASTRFEMFSLSGTFGTEYVFPPEVLLTEIH
LSPGKFEVLKDGRLVNKNGSSGPILTVSLFGRWYTKDSLYSSCGTSNSAITYLLIFILLMIIALQNIVML

1258/2825
FIGURE 1116A

GAATTCCGGGCAGCATCATCAAGGCACATAGATTCTCTCTTTGAACAATGCAGCTGCTGCAGGGGATGGGGAAGG
GATGGCACTGGCAATTCAAGACTGCCTTTCTACTTCTTCAGTGCCTCTTTCACCAATATGAAGTTAAAAACCAGG
ATCCTTCAAACCAAAAATGTGGTGGAAAGAAAGAAAACCGTGTCTTTCAGCAGC**ATG**CCATCGGAAAAGAAAATTA
GCAGTGCAAAATGACTGCATCAGCTTCATGCAAGCTGGCTGTGAGTTGAAGAAAGTCCGGCCAAATTTCTCGCATT
ACAACCGTTTTTTTCACTCTGGACACAGACCTTCAAGCTCTTCGCTGGGAACCTTCAAAGAAAGACCTCGAGAAAG
CCAAGCTTGATATTTCTGCCATAAAAGAGATCAGACTGGGGAAAAACACGGAAACATTTACAAACAATGGCCTTG
CTGACCAGATCTGTGAGGACTGTGCCTTTTCCATACTCCACGGGGAAAACATATGAGTCTCTGGACCTAGTTGCCA
ATTACAGCAGATGTGGCAAACATCTGGGTGTCTGGGTACCGTACCTGGTTTCTCGAAGTAAGCAGCCTCTTGATT
TTATGGAGGGCAACCAGAACACACCACGGTTCATGTGGTTGAAAACAGTGTGTTGAAGCAGCAGATGTTGATGGGA
ATGGGATTATGTTGGAAGACACCTCTGTAGAGTTAATAAAACAACCTCAACCCTACTCTGAAGGAAGCCAAGATCA
GGTTAAAGTTTAAAGAAATCCAGAAGAGCAAGGAAAACTAACCACCCGCGTGACCGAAGAGGAATTTTGTAAG
CTTTTGTGAACCTTGCACCAGGCCAGAAGTGTATTTCTTACTTGTACAGATATCTAAAAACAAAGAATATTTGG
ATGCCAATGATCTCATGCTCTTTTGTAGAAGCTGAGCAAGGAGTCACCCATATCACCGAGGATATATGCTTAGACA
TCATAAGGAGATACGAACCTTTCTGAAGAGGGACGTCAAAAAGGGTTTCTTGCAATTGATGGCTTTACCCAGTATT
TATTGTCATCAGAATGTGACATTTTTGATCCTGAGCAAAAGAAGTTGCCCAAGATATGACCCAGCCATTATCTC
ACTACTATATCAATGCCTCTCATAACACCTATCTAATAGAAGACCAGTTCAGGGGGCCAGCTGCATCAATGGGT
ACATTAGAGCTTTGAAAATGGGCTGTGCAAGCGTTGAACTCGATGTAAGTGATGGTTTCAGATAATGAACCAATCC
TTTGTAATCGAAATAACATGACAACCCATGTTTCTTTTGAAGTGTATAGAGGTAATAAATAAATTTGCCTTTG
TTGCTTCTGAATACCCACTCATTCTTTGCTTGGGAAATCACTGCTCCTTGCCGCAGCAGAAGGTAATGGCTCAAC
AGATGAAAAAGGTCTTTGGCAATAAACTCTATACTGAAGCACCTTTGCCCTCAGAATCCTACCTCCCATCACCAG
AAAAATTAAAAAGAATGATCATTGTGAAAGGAAAGAAAGTTGCCTTCTGATCCAGATGTGTTAGAAGGAGAAAGTAA
CAGATGAAGATGAAGAAGCTCAAATGTCTCGAAGGATGTCGGTAGATTACAATGGTGAGCAGAAGCAAAATCCGAC
TCTGTAGGGAGCTCTCTGATTTGGTGTCTATTTGTAAATCTGTTCAATACAGGGATTTTGAAGTATCTATGAAAA
GCCAAAACCTATTGGGAAATGTGTTTCAATTTAGTGAAACAGAGGCCAGCCGATTGCAATGAGTACCCAGAGGATT
TTGTTAATTATAATAAGAAGTTCTTATCAAGAATCTATCCAAGTGCCATGAGGATCGATTCCAGTAACTTGAATC
CACAGGACTTTTGGAAATGTGGCTGTGAGATTGTAGCAATGAATTTTCAAGTCCGGGTCCAATGATGGACCTTC
ACACGGGCTGGTTTTCTTCAAACGGGGGATGTGGTTATGTTCTAAGGCCGTCTATAATGCGAGATGAAGTTTCTT
ACTTCAGCGCAAATACAAAGGGCATTCTACCTGGGGTGTCTCCTCTAGCTCTTCATATCAAGATCATCAGTGGTC
AGAATTTCCCAAAGCCCCAAGGGAGCTTGTGCCAAAGGGGATGTATAGATCCCTATGTTTGTATAGAGATACACG
GAATTCAGCGGATTGTTTCGGAACAAAGAACTAAACTGTACAGCAAACAGTGATAATCCTATTTTTTGATGAAA
CTTTTGAGTTCCAAGTAAACCTACCTGAGCTGGCCATGATCCGTTTTTGTGTTCTGGATGATGACTACATTGGGG
ATGAGTTTATAGGGCAATATACGATACCATTTGAATGTTTGACGCTGGATATCGGCATGTTCCCTGCGTTCTT
TTGTGGGTGACATCATGGAGCACGTAACCCTTTTTGTCCACATAGCAATACTAATCGAAGTGGAGGAGGAAAGG
CACAGAAGCGCAGTCTTTTCACTGAGAATGGGGAAGAAAGTTCGGGAATATACCATGCTCAGGAATATCGGTCTTA
AAACCATTGATGACATCTTTAAAATAGCGGTTTATCCATTACGAGAAGCCATAGATATGAGAGAAAATATGCAGA
ATGCAATCGTGTCTATTAAGGAACCTATGTGGACTCCCTCCAATTGCCAGTCTGAAGCAGTGCCTGTTAACTCTGT
CATCTCGGCTCATCACCAGTGACAATACTCCTTCAGTCTCACTTGTGATGAAAGACAGCTTTCTTACCTGGAGC
CTCTGGGTGCAATTCCAGATGTGCAGAAAAAGATGCTGACTGCTTATGATCTGATGATTCAAGAGAGCCGGTTTC
TCATAGAAATGGCGGACACAGTCCAGGAAAAGATTGTACAGTGTGAGAAAGCAGGGATGGAGTTCCATGAAGAAC
TTCATAATTTGGGGGCAAAGAAGGCTTGAAGGGAAGAAAACCTCAACAAAGCAACTGAGAGCTTTGCTTGGAAACA
TTACAGTATTGAAGGGCCAAGGAGATCTGTTGAAGAATGCCAAGAATGAAGCTATAGAAAACATGAAGCAGATCC
AGCTGGCATGCCGTGCTGTGGACTGAGTAAAGCCCCCAGCAGCAGTGTGAGGCCAAGAGCAAGCGCAGCCTGG
AAGCCATAGAGGAGAAGGAAAGTAGTGAGGAGAATGGGAAGCTG**TG**ACTCTGGGCATTATCGACACGTTACCCCA
TCTTATCAAGGACTCTGGTTTTCTCATTCTTGTGTTTTCTTTCTTTAAATGTTTTATAAGTTTCAAAAATGGTGCCCT
ATATGGGGTATTGGACATAGATATTTTCACAATGTCAGTATTTTCACTGTAGTTAATTTATCTAAATTAAGCCTT
TAGTATCAGTGTGTTTTAAATTTCTGAGACATGTGTCAACACCCCTGTGTGGATGCCTGTGGAAGAGTGTGTGTGT
GTGTGTGTGTGTGTGTGTGTGTGTGGCAGAGAGAGAGAAAGAGAGAGAGAGAAATCTGTGTTAAATCTATTTCT
GTGTTGCATTATTCAATTTAGTGAGTTATTCCTTGATCATTTTGGGACAATTGTTTTAATCTGAAATTTCTAAAGAG

1259/2825
FIGURE 1116B

CACCTTACTGTAACCTGTTGCTGTGTTTAAATTTGACTTCTCTGCCTTTGACATTTAATTTAGTGATCTTAGCATAG
CTTATTATTGAAGGAAGCCAAATTTATCAAAGCATAACATGTTTTGGTAGATTAAATATAGATTAGAAAAATTCCT
AAGAATCAGAGTAGAAATAAAAGTGAATGAAAGATTAAACAGATGATGAGAATTTCTAAAAAGATTAGCAAGGTC
ATTTCTTCAGTCAGAAAACTTTAAAAAATATTTATTAAATAAAATCAATTTTATAGGAAGTTTTCTGTAGTCATTT
ACTAAACATATGATTTCACTAGAAAAGCTGATCATAAGTGAATTTATACCTACCTGTGTGGCTACTCTGAAACAC
ACTGAAAGCTCTGTTGCAATTAGGATTTGATGTGACATAATATTGTTGTATAATTTGAGATTGTAGGAAGGTC
TCATTCTTCCAAGCTGAGAGCTAGCACTCATTTTCTATAACAGATATGGCAGCTTAGAGGTGTTGGCTTTGTTT
GGATGTAATTTTAGGGGTACTAAAATTTAAATTTAAAGATAATTGTTCAACAATATCATATCATCACATTGAGC
TGATATAAATTCTGTGGGTCCGATAATATCTTTGTGATAATTTAAGAGCTAACCAGTTACCACACATCTATGATA
TAACCCTAACACACACAGAAAGCATAACATGCAAAAAGAAATGACTAATTAGGGTACATTTATAATTGCATCTAGG
TAATTTTTACCCTAATGTCTTCATAAAGTACTTGAGTGTAATGTTTGTACCTCCAACAGAACTAAATGTTCTAT
GGTTATGAAAGAATATATTTATTTAAAGCATTGCTTTTATTTTGAAAAGCTTCTTAATTAATTTGATTAAACAAAT
ATGCTAATTTGGGGAAACCTAGAGAAGATAATTGTTGAAATTTGCAAATATAAACATCTCCTAT

1260/2825
FIGURE 1117

MPSEKKISSANDCISFMQAGCELKKVRPNSRIYNRFFTLDTDLQALRWEPSKKDLEKAKLDISAIKEIRLGKNTE
TFTNNGLADQICEDCAFSILHGENYESLDDLANSADVANIWVSGRLYLVSRSKQPLDFMEGNQNTPRFMWLKTVF
EAADV DNGIMLEDTSVELIKQLNPTLKEAKIRLKFKEIQKSKEKLTRVTEEEFCEAFCELCTRPEVYFLLVQI
SKNKEYLDANDLMLFLEAEQGVTHITEDICLDIIRRYELSEEGRQKGFLAIDGFTQYLLSSECDIFDPEQKKVAQ
DMTQPLSHYYINASHNTYLIEDQFRGPADINGYIRALKMGCRSVELDVSDGSDNEPILCNRRNMTHVSFRSVIE
VINKFAFVASEYPLILCLGNHCSLPQQKVMQQMKKVFGNKLYTEAPLPSESYLP SPEKLKRMIIVKGKKLP SDP
DVLEGEVTDDEDEEAQMSRRMSVDYNGEQKQIRLCRELSDLVSICKSVQYRDFELSMKSQNYWEMCSFSETEASRI
ANEYPEDFVNYNKKFLSRIYPSAMRIDSSNLNPQDFWNCGCQIVAMNFQTPGPMMDLHTGWFLQNGGCGYVLRPS
IMRDEVSYFSANTKGILPGVSPLALHIKIISGQNF PKPKGACAKGDVIDPYVCIEIHGIPADCSEQR TKTVQQNS
DNPIFDETFEFQVNLPELAMIRFVVLDDDYIGDEFIGQYTIPFECLQPGYRHVPLRSFVGDIMEHVTLEFVHIAIT
NRSGGGAQKRSLSVRMGKKVREYTM LRNIGLKTIDDIFKIAVHPLREAIMRENMQNAIVSIKELCGLPPIASL
KQCLLTSSRLITSDNTPSVSLVMKDSFPYLEPLGAIPDVQKKMLTAYDLMIQESRFLIEMADTVQEKIVQCQKA
GMEFHHEELHNLGAKEGLKGRKLNKATESFAWNITVLKGQGDLLKNAKNEAIENMKQIQ LACLSCGLSKAPSSSAE
AKSKRSLEAIEEKESSEENGKL

1261/2825
FIGURE 1118

GGCGGTCCCCTGTTCTCCCCGCTCAGGTGCGGCGCTGTGGCAGGAAGCCACCCCCTCGGTGCGCCGGTGCGCGGG
GCTGTTGCGCCATCCGCTCCGGCTTTTCGTAACCGCACCCCTGGGACGGCCCAGAGACGCTCCAGCGCGAGTTCCCTC
AAATGTTTTTCTGCGTTGCCAGGACCGTCCGCCGCTCTGAGTCATGTGCGAGTGGGAAGTCGCACTGACACTGAG
CCGGGCCAGAGGGAGAGGAGCCGAGCGCGGCGCGGGGCCGAGGGACTCGCAGTGTGTGTAGAGAGCCGGGCTCCT
GCGGATGGGGGCTGCCCCCGGGGCTGAGCCCGCTGCCCGCCACCGCCCCGCCCCGCCCCCTGCCACCCCTGCC
GCCCCGTTCCCATTAGCCTGTCCGCTCTGCGGGACCATGGAGTGGTAGCCGAGGAGGAAGCATGCTGGCCGTCG
GCTGCGCGCTGCTGGCTGCCCTGCTGGCCGCGCCGGGAGCGGCGCTGGCCCCAAGGCGCTGCCCTGCGCAGGAGG
TGGCAAGAGGCGTGTGACCACTGTGCCAGGAGACAGCGTGACTCTGACCTGCCCGGGGTAGAGCCGGAAGACA
ATGCCACTGTTCACTGGGTGCTCAGGAAGCCGGCTGCAGGCTCCACCCCAGCAGATGGGCTGGCATGGGAAGGA
GGCTGCTGCTGAGGTCGGTGCAGCTCCACGACTCTGGAACTATTTCATGCTACCGGGCCGGCCGCCAGCTGGGA
CTGTGCACTTGCTGGTGGATGTTCCCCCGAGGAGCCCCAGCTCTCCTGCTTCCGGAAGAGCCCCCTCAGCAATG
TTGTTTGTGAGTGGGGTCTCGGAGCACCCCATCCCTGACGACAAAGGCTGTGCTCTTGTTGAGGAAGTTTCAGA
ACAGTCCGGCCGAAGACTTCCAGGAGCCGTGCCAGTATTCCCAGGAGTCCAGAAGTTCTCCTGCCAGTTAGCAG
TCCCGGAGGGAGACAGCTCTTTCTACATAGTGTCCATGTGCGTCGCCAGTAGTGTGGGAGCAAGTTTCAGCAAAA
CTCAAACCTTTTCAGGGTTGTGGAATCTTGACGCTGATCCGCCGTGCCAACATCACAGTCACTGCCGTGGCCAGAA
ACCCCCGCTGGCTCAGTGTACCTGGCAAGACCCCCACTCCTGGAACATCATCTTTCTACAGACTACGGTTTGAGC
TCAGATATCGGGCTGAACGGTCAAAGACATTCAACAATGGATGGTCAAGGACCTCCAGCATCACTGTGTATCC
ACGACGCTGGAGCGGCCTGAGGCACGTGGTGCAGCTTCGTGCCAGGAGGAGTTCGGGCAAGGCGAGTGGAGCG
AGTGGAGCCCCGAGGCCATGGGCACGCTTGGACAGAATCCAGGAGTCTCCAGCTGAGAACGAGGTGTCCACCC
CCATGCAGGCACTTACTACTAATAAAGACGATGATAATATTCTCTTCAGAGATTCTGCAAATGCGACAAGCCTCC
CAGTGCAAGATTCTTCTTCAGTACCACTGCCCACATTCTGGTTGCTGGAGGGAGCCTGGCCTTCGGAACGCTCC
TCTGCATTGCCATTGTTCTGAGGTTCAAGAAGACGTGGAAGCTGCGGGCTCTGAAGGAAGGCAAGACAAGCATGC
ATCCGCCGTACTCTTTGGGGCAGCTGGTCCCGGAGAGGCCTCGACCCACCCAGTGCTTGTTCTCTCATCTCCC
CACCGGTGTCCCCAGCAGCCTGGGGTCTGACAATACCTCGAGCCACAACCGACCAGATGCCAGGGACCCACGGA
GCCCTTATGACATCAGCAATACAGACTACTTCTTCCCCAGATAGCTGGCTGGGTGGCACCAGCAGCCTGGACCCT
GTGGATGACAAAACACAAACGGGCTCAGCAAAAGATGCTTCTCACTGCCATGCCAGCTTATCTCAGGGGTGTGCG
GCCTTTGGCTTCACGGAAGAGCCTTGCGGAAGGTTCTACGCCAGGGGAAAATCAGCCTGTCCAGCTGTTTCAGCT
GGTTGAGGTTTCAAACCTCCCTTTCCAAATGCCAGCTTAAAGGGGTTAGAGTGAACCTGGGGCCACTGTGAAGAG
AACCATATCAAGACTCTTTGGACACTCACACGGACACTCAAAAGCTGGGCAGGTTGGTGGGGGCTCGGTGTGGA
GAAGCGGCTGGCAGCCCACCCCTCAACACCTCTGCACAAGCTGCACCCTCAGGCAGGTGGGATGGATTTCCAGCC
AAAGCCTCCTCCAGCCGCCATGCTCCTGGCCCACTGCATCGTTTCATCTTCCAACCTCAAACCTTTAAAACCCAAG
TGCCCTTAGCAAATTCTGTTTTTCTAGGCCTGGGGACGGCTTTTACTTAAACGCCAAGGCCTGGGGGAAGAAGCT
CTCTCCTCCCTTTCTTCCCTACAGTTCAAAAACAGCTGAGGGTGAGTGGGTGAATAATACAGTATGTCAGGGCCT
GGTCGTTTTCAACAGAATTATAATTAGTTCCCTCATTAGCAGTTTTGCCTAAATGTGAATGATGATCCTAGGCATT
TGCTGAATACAGAGGCAACTGCATTGGCTTTGGGTTGCAGGACCTCAGGTGAGAAGCAGAGGAAGGAGAGGAGAG
GGGCACAGGGTCTCTACCATCCCCTGTAGAGTGGGAGCTGAGTGGGGGATCACAGCCTCTGAAAACCAATGTTCT
CTCTTCTCCACCTCCCAAAAGGAGAGCTAGCAGCAGGGAGGGCTTCTGCCATTTCTGAGATCAAAACGGTTTTA
CTGCAGCTTTGTTTGTGTGCTGAGCTGAACCTGGGTAACTAGGGGAAGATAATATTAAGGAAGACAATGTGAAAAGAA
AAATGAGCCTGGCAAGAATGCGTTTAAACTTGGTTTTTAAAAAACTGCTGACTGTTTTCTCTTGAGAGGGTGGAA
TATCCAATATTTCGCTGTGTGCTAGCATAGAAGTAACCTTACTTAGGTGTGGGGGAAGCACCATAACTTTGTTTAGCCC
AAAACCAAGTCAAGTGAAAAAGGAGGAAGAGAAAAAATATTTTCTGCCAGGCATGGAGGCCCCACGCACCTTCGGG
AGGTTCGAGGCAGGAGGATCACTTGAGTCCAGAAGTTTGAGATCAGCCTGGGCAATGTGATAAAACCCCATCTCTA
CAAAAAGCATAAAAATTAGCCAAGTGTGGTAGAGTGTGCCTGAAGTCCCAGATACTTGGGGGGCTGAGGTGGGAG
GATCTCTTGAGCCTGGGAGGTCAAGGCTGCAGTGAGCCGAGATTGCACCCTGCACTCCAGCCTGGGGTGACAGA
GCAAGTGAGACCCTGTCTC

1262/2825
FIGURE 1119

MLAVGCALLAALLAAPGAALAPRRCPAQEVARGVLTSLPGDSVTLTCPGVEPEDNATVHWVLRKPAAGSHPSRWA
GMGRLLLLRSVQLHDSGNYSCYRAGRPA GTVHLLVDVPPEEPQLSCFRKSPLSNVCEWGPRSTPSLTTKAVLLV
RKFQNSPAEDFQEPCQYSQESQKFSCQLAVPEGDSSFYIVSMCVASSVGSKFSKTQTFQGCILQPDPPANITVT
AVARNPRWLSVTWQDPHSWNSSFYRLRFELRYRAERSKTFTTWMVKDLQHHCVIHDAWSGLRHVVQLRAQEEFGQ
GEWSEWSPEAMGTPWTESRSPPAENEVSTPMQALTNNKDDDNILFRDSANATSLPVQDSSSVPLPTFLVAGGSLA
FGTLLCIAIVLRFKKTWKLRLALKEGKTSMHPPYSLGQLVPERPRPTPVLVPLISPPVSPSSLGSDNTSSSHNRPA
RDRSPYDISNTDYFFPR

1263/2825
FIGURE 1120

CCACGCGTCCGTGCTTTTCCACAGAAGGTTAGACCCTGAAAGAGATGGCTCAGCACCACTATGGATCTTGCTCC
TTTGCCCTGCAAACCTGGCCGGAAGCAGCTGGAAAAGACTCAGAAATCTTCACAGTGAATGGGATTCTGGGAGAGT
CAGTCACCTTTCCCTGTAAATATCCAAGAACCACGGCAAGTTAAATCATTGCTTGGACTTCTAAAACATCTGTTG
CTTATGTAACACCAGGAGACTCAGAAACAGCACCCGTAGTTACTGTGACCCACAGAAAATTATTATGAACGGATAC
ATGCCTTAGGTCCGAACACTACAATCTGGTCATTAGCGATCTGAGGATGGAAGACGCAGGAGACTACAAAGCAGACA
TAAATACACAGGCTGATCCCTACACCACCACCAAGCGCTACAACCTGCAAATCTATCGTCGGCTTGGGAAACCAA
AAATTACACAGAGTTTAATGGCATCTGTGAACAGCACCTGTAATGTCACACTGACATGCTCTGTAGAGAAAAGAAG
AAAAGAATGTGACATACAATTGGAGTCCCCTGGGAGAAGAGGGTAATGTCCCTCAAATCTTCAGACTCCTGAGG
ACCAAGAGCTGACTTACACGTGTACAGCCAGAACCCTGTCAGCAACAATTCTGACTCCATCTCTGCCCGGCAGC
TCTGTGCAGACATCGCAATGGGCTTCCGTACTCACCACACCGGGTTGCTGAGCGTGTGGCTATGTTCTTTCTGC
TTGTTCTCATTCTGTCTTCAGTGTGTTTTGTTCCGTTTGTTCAGAGAAGACAAGATGCTGCCTCAAAGAAAACCA
TATACACATATATCATGGCTTCAAGGAACACCCAGCCAGCAGAGTCCAGAATCTATGATGAAATCCTGCAGTCCA
AGGTGCTTCCCTCCAAGGAAGAGCCAGTGAACACAGTTTATTCCGAAGTGCAGTTTGTGATAAGATGGGGAAAG
CCAGCACACAGGACAGTAAACCTCCTGGGACTTCAAGCTATGAAATTGTGATCTAGGCTGCTGGGCTGAATTCTC
CCTCTGGAACTGAGTTACAACCACCAATACTGGCAGGTTCCCTGGATCCAGATCTTCTCTGCCCAACTCTTACT
GGGAGATTGCAAACCTGCCACATCTCAGCCTGTAAGCAAAGCAGGAAACCTTCTGCTGGGCATAGCTTGTGCCTAA
ATGGACAAATGGATGCATACCCCTTCTGAAATGACTCCCTTCTGAATGAATGACAAAGCAGGTTACCTAGTATAG
TTTTCCCAAACCTTCTTCCCATCATAGCACATGTAGAAAATAATATTTTTATGGCACACTGGGATAAACAAGCAAG
ATTGCTCACTTCTGGAAGCTGCATATGACTAGAGGCCTCTTGTGACTGGAGGTAACAACCCTGCCCAGTAACTGT
GGGAGAAGGGGATCAATATTTTGCACACCTGTAATAGGCCATGGCACACCAGCCAAGATGCTCTGCTCACAGTCA
GTATGTGTGAAGATCCCTGGTGCCTGGCCTTACCACGCATCTTGAGCAAATTAGGAAAATGTACCCTTCGCTTG
AGGCAGATGCAGCCCTTCCCCGAGTGCATGGCTTGGAGAGCAGAATGTGGGCTGCATATAAGCACACTCATCCC
TTTGTCTGGGAATCTTTGTGCAGGGCATAACAGGCTTAGTAAGTCCAAACACAGATGACAGTGTGTGGGTCT
CTGTCAGAGTTGTGGCTCTCAGCCATGTAGACACACTCTCCAAATGGAGTGTGGAAAATGTTCTTTCTGCAGGG
TCTAGAGACTGCTGGGACACTTTTTCTTGGAGTGCTACTTCAGAAGCCTTATAGGATTTTCTTTCTGGCCAAGATT
TCCTTCTGTATCACTCCAAGCAGCCTCAGCAGAAGAAGCAGCCATGCCCAGTATTCCCCTCTCCAAAAGGAAC
GACCAGCTTATATTTCTCACACTTCTGGGGAACCTGGGTATAATCCAACCATCAAATAGAAGACCTTGCAAGAAG
CAGAGTCATTCTCCAGAAGGAACCTGGGAGATGATGGTGCAGATGATGAACTGGGTTTCATCCCAGTTCCAAAGA
CTCAGAGAACTAGAGTTTAAGCTGAGGCAGAGTGCCGCCACCCTGGCATGCCCCACAAACAGATCACCAGCCAGC
TTACACAGGCATTAACCTCCTCAATGAGGAAGAATCATTCACAACCTGAGCAAGACATTATATGATCATTTAAG
GAAGTGTTCCTTATGTGTAGCAAGTATAATCGGCTAACTCCTAAATCCCAATGAATAGTCTAGGCTGGACA
GCAATGGGCTGCAATTAGGCAGATAAAGACATCAGTCCCAGTAAATGAATCCATAGACTCATCTAGCACCAACTA
CCATTAGCACTATGTTAGGAGCTGCAAGGCCCAAAGTAGAAGATGTGCATAATGTCTGCTCTTGTGTAGCTCAG
GAGACAATTCCAGCACAGACACTACAGTTAACGCTGAACTGCAGCTGCAAGTAATAGCATGAACAGTCAGAAAAA
TACCTTATGAGGGGGCAGGGCTGAAGCTGGGCCTTGAAGGATGGATGAAATTTGGATAGAGAATGAGGAAGACAG
AGGGCCTCCAAGTGAGAGAAGCATGAAAAATGAGCAGGGGCCTGGATCAGTGGGGTGTATTACAGACACCTCTCC
AGATGCACCATGTCATGCTCACAGTCCCTTGCCCTATGTGTGGCAGAGTGTCCCAGCCAGATGTGTGCCCCACCCC
ATGTCCATTTACATGTCTTCAATGCCCACCTCAAAGGTACCTCTTCTGTAAAGCTTTCCCTGGTATCAGGAAT
CAAAATTAATCAGGGATCTTTTACACTGCTGTTTTTCTCTTGGTCTTCTATCACTAAAACCTCATCTCATT
CAGCCTTACAGCATAACTAATTATTTGTTTTCTCACTACATTGTACATGTGGGAATTACAGATAAACGGAAGCC
GGCTGGGGTGGTGGCTCACGCCTGTAACCCCAACACTTTGGGAGGCCAAGGCAGGCGGATCACCTGAGGTCAGGA
GTTTCGAGATTAGTCTGGCCAACATGGTGAAACCCCATCTCTACTAAAAATACGAAATTAGCCAGGTGTGGTGGCA
CACATCTGTAGTCCCAGCTACTCTGGAGGCTGAGACAGGAGAATCGCTTGAACCCAGGAAGTGGAGGTTGCAGTG
AGCTGAGATCACACCACTGCACTCCAGCCTGGGAGAGAGAGAGTGTGCTCCATCTCAAAAAAAAAAAAAAAAAA

1264/2825
FIGURE 1121

MAQHHLWILLCLQWPEAAGKDSEIFTVNGILGESVTFPVNIQEPRQVKIIAWTSKTSVAYVTPGDSETAPVVT
VTHRNYERIHALGPNYNLVISDLRMEADAGDYKADINTQADPYTTTKRYNLQIYRRLGKPKITQSLMASVNSTCN
VTLTCSVEKEEKNVTYNWSPLGEEGNVLQIFQTPEDQELTYTCTAQNPVSNNSDSISARQLCADIAMGFRTHHTG
LLSVLAMFFLLVLILSSVFLFRLFKRRQDAASKKTIYTYIMASRNTQPAESRIYDEILQSKVLPSKEEPVNTVYS
EVQFADKMGKASTQDSKPPGTSSYEIVI